GEOLOGICAL SURVEY OF ALABAMA

WALTER B. JONES, STATE GEOLOGIST

Information Series 19

GROUND-WATER LEVELS IN ALABAMA
in 1957 and 1958

By
David M. O'Rear

Prepared by the
United States Geological Survey
in cooperation with the
Geological Survey of Alabama

University, Alabama

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LETTER OF TRANSMITTAL

University, Alabama

August 30, 1960

Honorable John M. Patterson

Governor of Alabama

Montgomery, Alabama

Sir:

I have the honor to transmit herewith the manuscript of a report entitled "Ground-Water Levels in Alabama in 1957 and 1958" by D. M. O'Rear, with the request that it be printed as Information Series 19 of the Geological Survey of Alabama.

Respectfully,

WALTER B. JONES

State Geologist

CONTENTS

ILLUSTRATIONS

(Figs. 4-13, 15-28 at end of report.)

Page

Page

TABLES

GROUND-WATER LEVELS IN ALABAMA
in 1957 and 1958

By David M. O'Rear

SCOPE OF WATER-LEVEL PROGRAM

Cooperating Agencies

The observation-well program in Alabama was begun in 1940 by the U. S. Geological Survey in cooperation with the Geological Survey of Alabama. The program, which is a supplement to the overall program of ground-water investigations in Alabama, is under the supervision of W. J. Powell, district geologist for Alabama. During the period 1957-58, ground-water investigations were in progress or were completed in Lauderdale, Limestone, Madison, Colbert, Morgan, Calhoun, Tuscaloosa, Marengo, Wilcox, Autauga, Lowndes, Montgomery, Macon, and Escambia Counties and the Birmingham area of Jefferson County, the Sylacauga area of Talladega County, the Huntsville area of Madison County, and the Monroeville area of Monroe County (fig. 1).

List of Publications

The following ground-water reports were published during the period 1957-58:

Baker, Jack, 1957, Geology and ground water of the Piedmont area of Alabama, a reconnaissance report: Alabama Geol. Survey Spec. Rept. 23, 99 p.

Cagle, Joseph W., and Floyd, Billy L., 1957, Interim report on ground water in Escambia County, Ala.: Alabama Geol. Survey Inf. Ser. 7, 30 p.

Harris, Hobart B., 1957, Springs in Colbert and Lauderdale Counties, Ala.: Alabama Geol. Survey Inf. Ser. 10, 17 p.

Ivey, J. B., 1957, Geology and ground water in the Monroeville area, Alabama: Alabama Geol. Survey Bull. 66, 116 p.

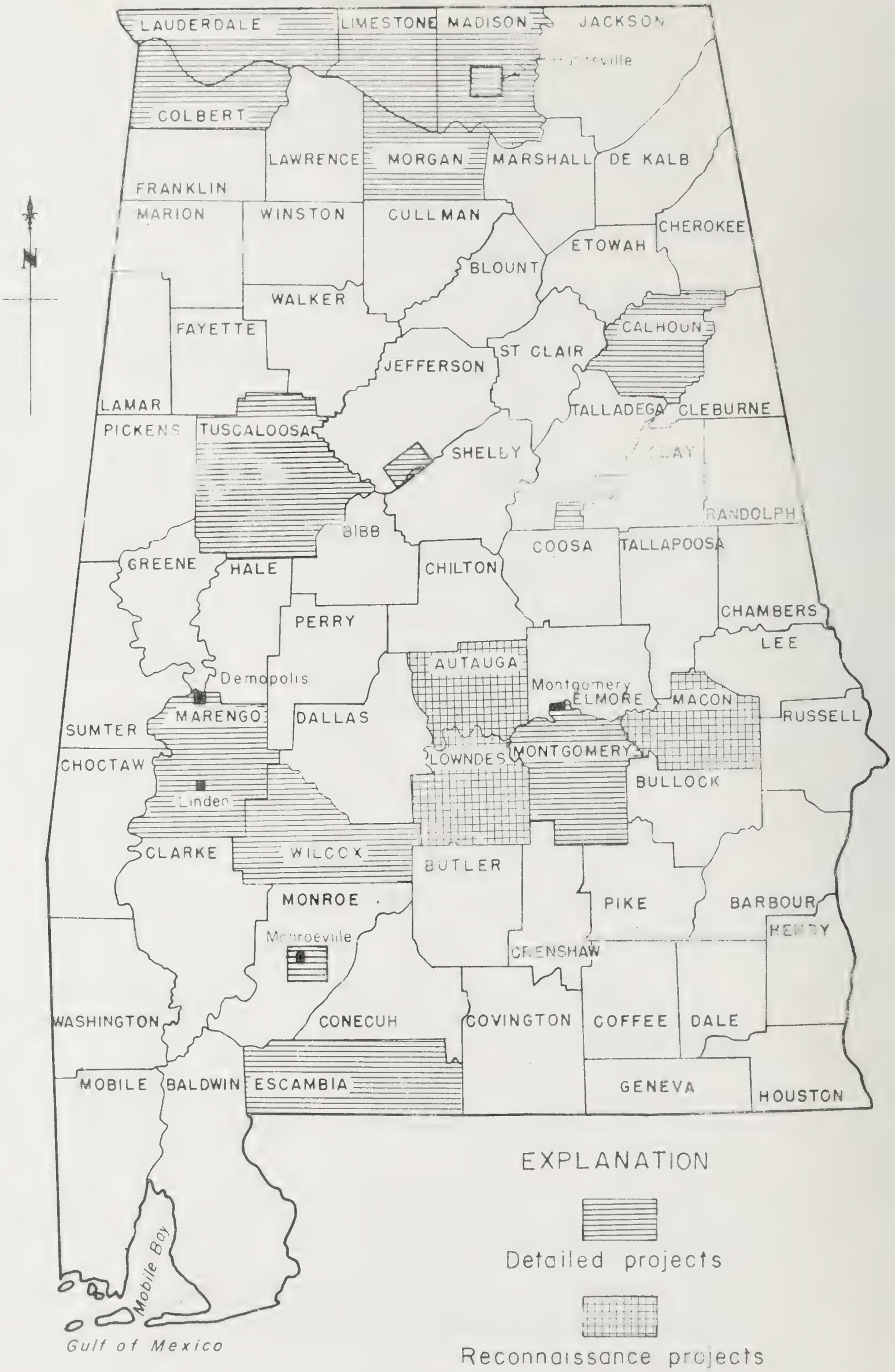

Figure 1.-Map of Alabama showing areas of ground-water studies, 1957-58

LaMoreaux, Philip E., 1957, Fluoride in ground water in Alabama: Alabama Dental Assoc. Bull., v. 41, p. 5-13.

LaMoreaux, Philip E., Toulmin, L. D., and Sutcliffe, Horace, Jr., 1957, Interim report on the geology and ground-water resources of Wilcox County, Ala.: Alabama Geol. Survey Inf. Ser. 8, 42 p.

LaMoreaux, P. E., Toulmin, L. D., and Newton, J. G., 1958, Celebrated Coastal Plain fossil localities: Alabama Geol. Survey Inf. Ser. 13, p. 24-76.

Malmberg, Glenn T., and Downing, H. T., 1957, Geology and ground-water resources of Madison County, Ala.: Alabama Geol. Survey County Rept. 3, 325 p.

Miller, J. D., Jr., 1958, Ground water in the vicinity of Bryce State Hospital, Tuscaloosa County, Ala.: Alabama Geol. Survey Inf. Ser. 12, 31 p.

Miller, J. D., Jr., and Causey, L. V., 1958, Geology and ground-water resources of Tuscaloosa County, Ala., an interim report: Alabama Geol. Survey Inf. Ser. 14, 71 p.

O'Rear, D. M., 1957, Water levels and artesian pressures in Alabama, 1955: Alabama Geol. Survey Inf. Ser. 5, 49 p.

O'Rear, David M., and Knowles, Doyle B., 1957, Ground-water levels in Alabama in 1956: Alabama Geol. Survey Inf. Ser. 11, 46 p.

Powell, W. J., Reade, Harold L., Jr., and Scott, J. C., 1957, Interim report on the geology and ground-water resources of Montgomery, Ala., and vicinity: Alabama Geol. Survey Inf. Ser. 3, 108 p.

Sanford, Thomas H., 1957, Interim report on ground-water studies in the Huntsville area, Alabama, to February 1957: Alabama Geol. Survey Inf. Ser. 9, 131 p.

Scott, John C., 1957, Ground-water resources of Lowndes County, Ala., a reconnaissance report: Alabama Geol. Survey Inf. Ser. 6, 80 p.

Stringfield, V. T., and LaMoreaux, P. E., 1957, Age of Citronelle formation in Gulf Coastal Plain: Am. Assoc. Petroleum Geologists Bull., v. 41, no. 4, p. 742-757.

Sutcliffe, Horace, Jr., and Newton, J. G., 1957, Interim report on the geology and ground-water resources of Marengo County, Ala.: Alabama Geol. Survey Inf. Ser. 4, 64 p.

Statistics

Water-level data were collected from 33 observation wells, 31 of which are equipped with recording gages. Two wells are measured periodically. Figure 2 shows the location of the observation well. Basic information is given for each observation well with a tabulated list of the daily lowest water level obtained from the recorder graphs or from periodic tape measurements (table 1). Hydrographs comparing water-level fluctuations with local precipitation were constructed for each well and are shown in figures 4-13, and 15-28. (At end of report.) These graphical records, which show 5-year periods, were prepared by plotting either the lowest daily water levels obtained from recorder charts, or the periodic tape measurements. The precipitation is shown by means of bar graphs and is the total recorded for each month of the 5-year period.

Acknowledgments

Acknowledgment is made of the individuals, companies, and institutions, who have made wells on their properties available for observational use. The writer is also grateful to the water works superintendents at Montgomery and Selma, the superintendent of Riviera Utilities at Foley, and the utilities engineer of Courtaulds, Inc. at Mobile, for supplying pumpage data.

WELL-NUMBERING SYSTEM

Wells are numbered serially within each county. Prefixed letters are derived from the county names. For example, well 1 in Baldwin County is Bal-1, and well 4 in Montgomery County is Mtg-4. (See fig. 2.)

PRECIPITATION AND TEMPERATURE

Precipitation in Alabama, which is mostly in the form of rainfall, is generally heaviest in the late winter and early spring. This is the period of maximum recharge to the ground-water reservoir. During

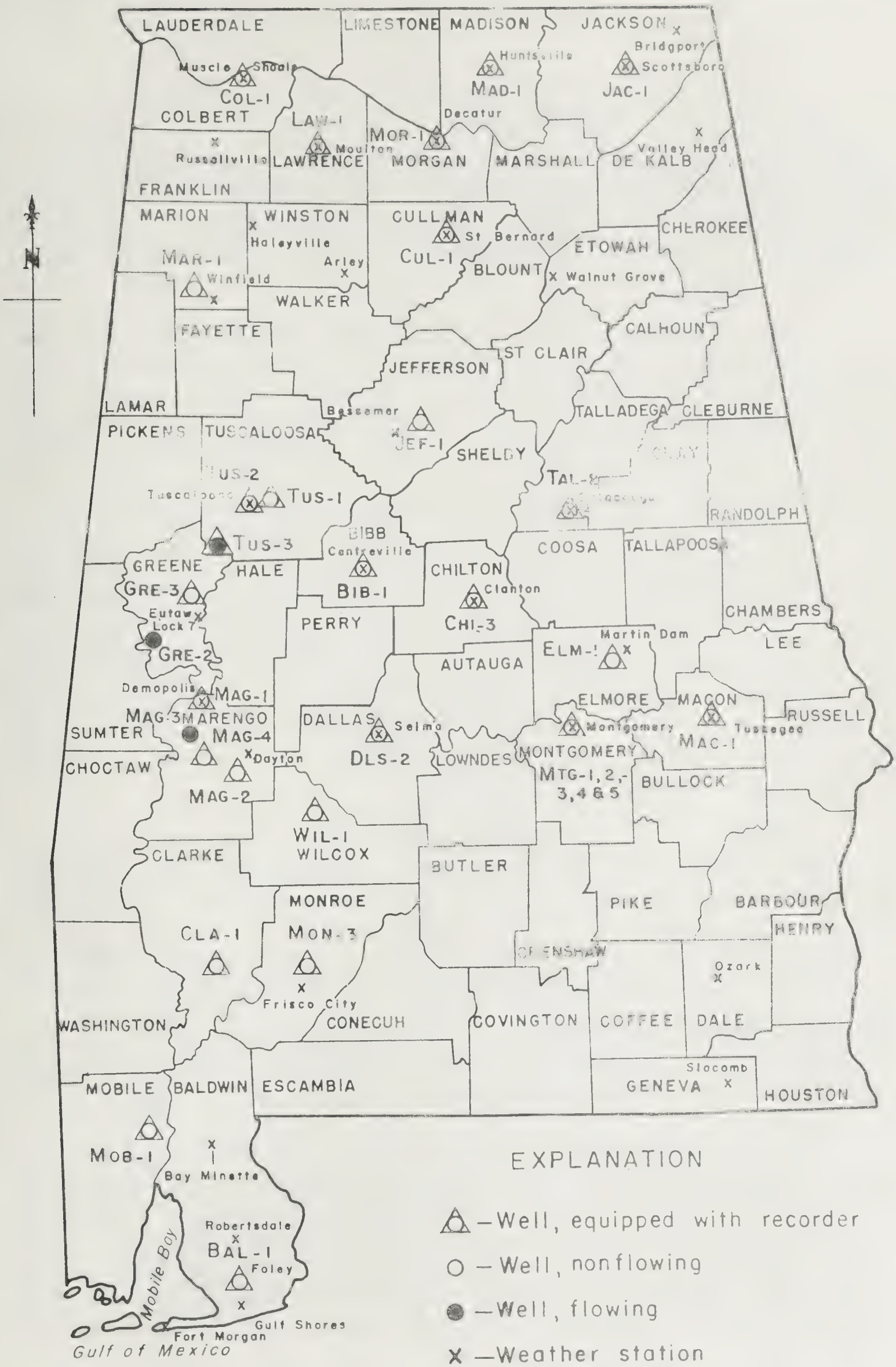

Figure 2 - Location of observation wells in Alabama, 1957-58

late spring and summer, rainfall, although still of fairly large magnitude, is less evenly distributed. Torrential downpours are common and a large proportion runs off into streams and rivers. Because of the large proportion of runoff and also because of high evapotranspiration losses, less water is available for recharge to the ground-water reservoirs.

Records maintained by the U. S. Weather Bureau show that rainfall was generally below average in 1957. Northern Alabama received above average precipitation in January. However, in southern Alabama January was the start of a 3-month period of below average rainfall. In April and May the situation was reversed; precipitation was infrequent and light in the northern section and average to above average in the southern section. Scattered showers and thundershowers were moderately frequent over most of the State in June. The period of July, August, and the first week in September was extremely dry throughout the State. The remainder of September was rainy; rainfall was frequent and heavy. In October, the northern section received near-normal precipitation, whereas the southern section received appreciably less than normal amounts. Frequent and heavy rainfall occurred in November. However, in December lighter precipitation occurred, with the northern section being slightly deficient, and the deficiency increasing further south. The total precipitation for the year ranged from 40.43 inches at Slocomb to 75.42 inches at Arley.

Precipitation was also below average in 1958. The deficiency that began in December 1957 continued through May 1958. One exception was noted in the southern section of the State, where the rainfall was slightly above average in March. Above average precipitation was recorded throughout the State in June and July. August precipitation was below average in all sections, but September precipitation was substantially above average. A general deficiency began in October and continued throughout the remainder of the year, except for a slight relief in the northern section in November. The total precipitation in 1958 ranged from 36.47 inches at Walnut Grove to 68.56 inches at Gulf Shores.

The most outstanding feature of the temperature record for 1957 was the unusually cool summer and fall, culminating in a distinctly chilly October. February was the warmest for Alabama since 1932. Fort Morgan had the highest average annual temperature with 70.0°F. The lowest average annual temperature was 59.9°F recorded at Valley Head. The year's highest and lowest temperatures occurred at Bridgeport, which recorded 105°F on August 3, and 4°F on January 17 and again on December 12.

Temperatures in 1958 were generally below normal, except in November, when they were above normal. The highest average annual temperature recorded was again at Fort Morgan with 67.4°F, and the lowest again at Valley Head with 56.7°F. Temperature extremes ranged from a low of -12°F recorded at Haleyville on February 17 and at Russellville on February 19, to a high of 102°F recorded at Ozark on June 13.

PUMPAGE

Data on ground-water withdrawals were collected at Selma, Montgomery, and Foley, all of which are in areas of heavy pumping.

Pumpage records maintained at the Selma Water Works during 1957 show a minimum withdrawal of about 1.4 mgd (million gallons per day) during the winter, a maximum of 3.3 mgd during the summer, and an average withdrawal for the year of 2.2 mgd. In 1958 the average withdrawal at Selma increased slightly to 2.4 mgd. Pumpage records maintained at Foley show maximum withdrawal during May and June, which is the potato-washing season in that area. During that period, pumpage averaged 0.5 mgd, but for the other months of the year the pumpage averaged 0.2 mgd.

In the Montgomery area, total withdrawals are recorded for two pumping stations (Day Street station and the Court Street station), but records are not kept for individual wells. In 1957, the Day Street station pumped an average of 8 mgd, and the Court Street station pumped 12 mgd. In 1958 a slight increase in pumping occurred at both stations.

INTERPRETATION OF WATER-LEVEL FLUCTUATIONS

Geologically, Alabama may be divided into the Piedmont, Paleozoic, and Coastal Plain areas (fig. 3). The Piedmont area is underlain by metamorphic schist and gneiss into which younger igneous rocks have been injected (area I). Wells in this area generally do not yield more than 50 gpm (gallons per minute); however, in some parts of the Piedmont large quantities of ground water are obtained from beds of limestone, marble, and dolomite. The principal source of water for the city of Sylacauga in Talladega County is two drilled wells in the Sylacauga marble member of the Talladega slate that yield 700 and 900 gpm each. Two industrial wells in Sylacauga have reported yields of more than 200 gpm each.

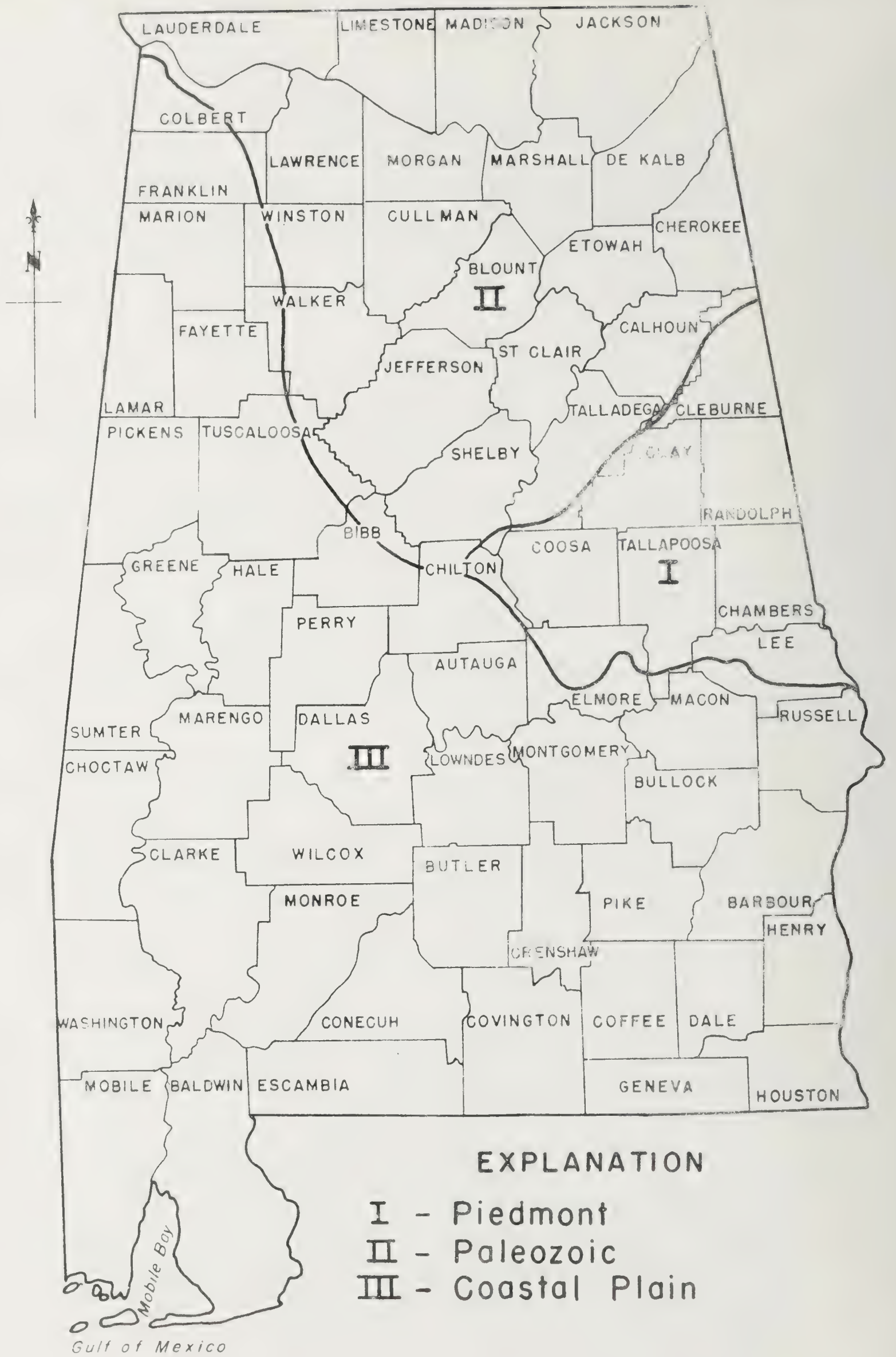

Figure 3 - Geologic Areas in Alabama

The water level in well Tal-2 at Sylacauga in Talladega County (fig. 4) fluctuates mainly in response to pumpage and precipitation. In January 1957 the water level remained low; however, in February it rose steadily, with only slight declines in response to pumpage until May, then gradually declined until November, after which it rose steadily until the end of the year. The water level in this well continued to rise in 1958 and reached a record high (12.10)* on April 5, followed by a general decline for the remainder of the year.

Fluctuations of water level in well Elm-1 at Eclectic in Elmore County (fig. 5) are caused mainly by variations in recharge and changes in atmospheric pressure. In 1957 the water level rose to a record high (6.70) on May 10, after which, a general decline occurred that extended through September. Then, due to heavy precipitation, a rise began, which continued until March 1958, a near record high, from which the water level gradually declined during the remainder of the year. The monthly recorder charts from this well show small but well-defined daily barometric fluctuations. These fluctuations reach a high about noon and a low about midnight and average about 0.1 foot in magnitude.

In northern Alabama, Paleozoic formations of sandstone, limestone, chert, and dolomite are important sources of ground water (area II, fig. 3). About 75 percent of the municipal and industrial supplies and practically all of the private water supplies are obtained from these rocks. Wells yielding 200 gpm are fairly common in this area, and some wells yield as much as 1,000 gpm. Industrial expansion in the Tennessee Valley area of Alabama was greatly aided by the availability of plentiful ground-water supplies.

Col-1, in Colbert County (fig. 6), taps limestone beds in the Fort Payne chert, and it is an index well in the Sheffield-Muscle Shoals area of the Tennessee River drainage basin. The fluctuations of the water level in this well are closely related to rainfall. Also, slight daily fluctuations due to nearby pumpage are indicated on the recorder graph. The water level rose sharply in February to a high (7.39) for 1957 and then gradually declined to the low (33.8) for the year, which occurred in October. In November the water level again rose abruptly and remained high until July 1958. A decline began in August that lasted for the remainder of the year.

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*Water levels are given in reference to land-surface datum (lsd). The water level is in feet below lsd except where preceded by a plus (+) sign, which indicates it is the artesian pressure in feet above lsd.

The water level in well Mor-1 (fig. 7), which taps the Tuscumbia limestone at Decatur in Morgan County fluctuates mainly in response to precipitation but is also affected by pumping of a nearby well. It rose to a seasonal high in February 1957, from where it gradually declined to a record low of 30.8 on August 20, 1957. The water level then rose to a record high of 7.6 on December 5, 1957, and remained high through the end of May 1958, when it started a decline to a new record low (31.0) that was achieved on October 20, 1958. This was followed by a slight rising trend during the remainder of the year.

Fluctuations of the water level in well Mad-1 (fig. 8), at Huntsville in Madison County are caused mainly by precipitation and pumping. This well obtains water from the Fort Payne chert. The water level rose from a record low (59.75) in December 1956 to a near record high (49.79) in February 1957, then declined slowly through September during which the lowest water levels for the year were recorded, then rose rapidly in October and November and remained high through May 1958, when it again started a gradual decline that lasted through the year's end.

The water level in well Jac-1 (fig. 9), which taps the Fort Payne chert, correlates closely with precipitation and responds to rainfall within a few hours after it occurs. The water level in this well rose to a record high (0.4) on January 31, 1957, then declined gradually to a yearly low (13.2) in September. An abrupt rise occurred in the latter part of September in response to heavy precipitation. The water level remained high through May 1958, then declined and remained low until December 1958.

Water-level fluctuations in well Law-1 (fig. 10), at Moulton in Lawrence County are caused mainly by variations in recharge and atmospheric pressure changes. The well taps the Bangor limestone and Hartselle sandstone. The water level rose to a seasonal high in February 1957, then declined slowly until September 8, when heavy continuous rainfall caused a rise that reached a record high (11.01) on November 19, 1957. The water level remained relatively high throughout 1958 due to abnormally high precipitation during the summer months.

Well Cul-1 (fig. 11) in Cullman County, which taps the Pottsville formation, is an index well in the Tennessee River-Warrior River drainage divide. The water level in the well fluctuates in response to rainfall and seasonal pumping at a nearby cotton-oil mill. In 1957 the water level showed a slight continuous rise throughout the entire year,

climaxed by a record high (13.0) on December 20, due to heavy precipitation in November. In 1958 the water level continued to rise, establishing a new high (12.73) on April 29, then declined slightly but remained relatively high for the remainder of the year.

The water level in well Mar-1 (fig. 12) responds to rainfall and barometric-pressure changes. The well, which is in Marion County, obtains water from sandstone in the Pottsville formation. From a record high of 6.24 on January 4, 1957, the water level declined until October, when it began a rise that resulted in a new record high of 5.90 on May 5, 1958, then declined gradually but remained above average throughout 1958.

Well Jef-1 (fig. 13) is a U. S. Geological Survey test well drilled into the Bangor limestone as part of a mining hydrology study in the Birmingham area of Jefferson County. The water level, which responds to precipitation within a few hours after it occurs, rose to 37.9, a record high, on April 8, 1957, and then gradually declined until October, when it began a rise to a new record high (28.9), which occurred on May 6, 1958. Although normal seasonal declines followed, the water level remained extremely high for the remainder of 1958.

The Coastal Plain area of Alabama is underlain by extensive beds of permeable sand and gravel that are interbedded with relatively impermeable beds of clay, marl, chalk, and limestone. The beds slope regionally toward the south and southwest. Artesian wells in this area supply plentiful amounts of water of relatively low temperature and usually acceptable quality. These wells are the chief source of water supply for nearly all municipalities, industries, and private users; yields of 500 gpm are common and many wells yield more than 1,000 gpm. Many of the wells are allowed to flow unchecked regardless of whether the water is used or not. The unchecked withdrawal from areas of artesian flow and large withdrawals from closely spaced pumped wells have caused local water-level declines. Figure 14 shows the areas of artesian flow in Alabama as of 1957-58.

The water level in well Bib-1 (fig. 15), developed in sand of the Tuscaloosa group, at Centreville in Bibb County, can be correlated closely with precipitation and atmospheric pressure. In 1957 and 1958 the water level corresponded with previous seasonal trends with one exception, a sharp rise in November 1957 due to heavy rainfall during that month.

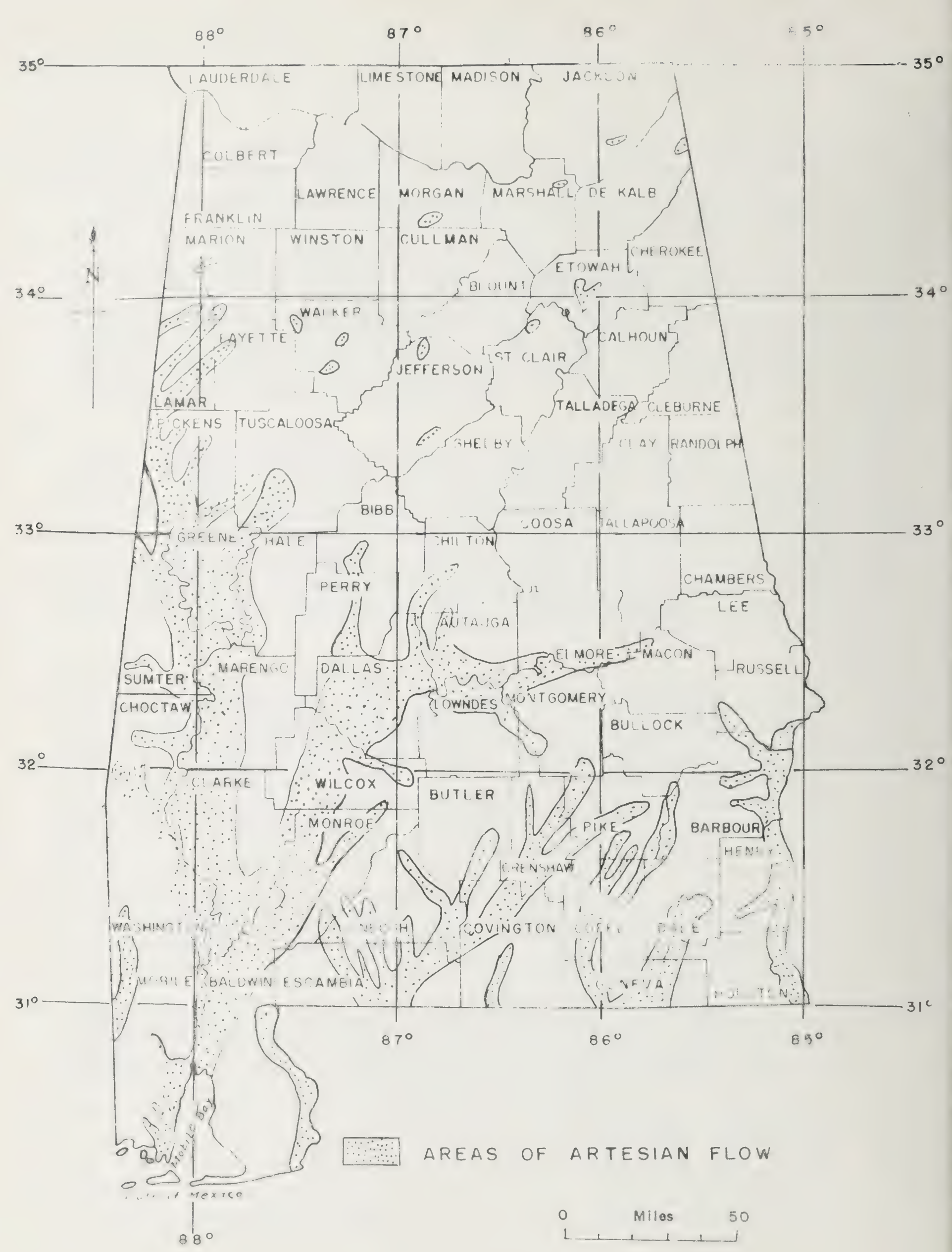

Figure 14.– Generalized map showing areas of artesian flow in Alabama

Well Chi-3 (fig. 16), at Clanton in Chilton County, is located near the contact between the sand and gravel beds of the Coastal Plain and the metamorphic and igneous rocks of the Piedmont. The water level in this well responds to rainfall, generally within a few hours after it occurs. The water level generally rises gradually in the late fall and winter, reaches a peak in the spring, and declines through the summer.

Mac-1 (fig. 17), at Tuskegee Institute in Macon County, taps sand beds of the Tuscaloosa group. Pumping in the area is almost continuous, and the large-scale fluctuations in the water level are chiefly the result of the pumping. When the main pump in the area was shut down for repairs during October and November, the water level rose approximately 15 feet. However, when the pump was turned on again, the level declined and remained approximately 5 feet lower than the average level in 1957 due to increased discharge.

The water level in well Tus-1 (fig. 18) at the University of Alabama in Tuscaloosa fluctuates mainly in response to precipitation and changes in atmospheric pressure. The water level is generally highest in late spring and declines gradually until winter. The water level in well Tus-2 also, (no hydrograph) fluctuates mainly in response to precipitation and changes in atmospheric pressure. This well is located at the Tuscaloosa plant of the B. F. Goodrich Tire and Rubber Co. in Tuscaloosa County and is developed in alluvial deposits of sand and gravel of Quaternary age. A new record high (15.87) was recorded on May 11, 1958.

Wells Mtg-1 (no hydrograph) and Mtg-4 (fig. 19), in the heavily pumped well fields at Montgomery, are developed in sand of the Tuscaloosa group. Mtg-1 is in the old Northeast well field, and Mtg-4 is in the West well field. Mtg-2 (fig. 20) in the West well field, is developed in sands of the Tuscaloosa group and the Eutaw formation. Water-level fluctuations in these wells reflect the heavy pumpage in the well fields.

Wells Dls-2, Gre-3, Mag-1, Mag-2, Mag-3, and Mtg-3, in Dallas, Greene, Marengo, and Montgomery Counties are developed in sands of the Eutaw formation of Late Cretaceous age. Water-level fluctuations in these wells can be correlated with precipitation and ground-water withdrawals. The levels are generally highest in late winter and early spring and lowest in late summer and early fall. The water level in Dls-2 (fig. 21), in the city of Selma well field in Dallas County, declined to a record low (41.6) on August 29, 1957. The level in well Gre-3 (fig. 22), in the city of Eutaw well field, declined to a record low (40.31) on September 11-13, 1957. In 1957, the level in well Mag-1 (fig. 23) at

Demopolis in Marengo County, declined to a record low (15.4) on August 30-31, and in 1958 established a new record low (21.2) on December 30. The water level in well Mag-2 (fig. 24) at Thomaston Prison near the town of Thomaston in Marengo County, declined to a record low (11.29) on August 30, 1957. The water level in well Mtg-3 (fig. 25), in the West well field of the city of Montgomery, gradually rose in 1957, due primarily to expansion of the city's West well field and the shifting of pumping concentrations to areas farther away from the observation well. The water level reached a record high (18.34) on May 12, 1957 and, in 1958, a new record high (15.57) was established on March 25.

Water-level fluctuations in well Mon-3 (fig. 26) at Monroeville in Monroe County are caused mainly by variations in recharge and changes in atmospheric pressure. This well is developed in shallow sand and gravel deposits of Miocene and Pliocene age and limestone of Eocene and Oligocene age. The water level rose in 1957 to a record high (59.14) on July 24 and remained above average throughout the year. In 1958 it rose to a new record high (58.93) on May 4, then declined gradually throughout the remainder of the year.

Water-level fluctuations in well Mob-1 (fig. 27), located in the heavily pumped well field of the Courtaulds rayon plant about 18 miles north of Mobile in Mobile County, are caused by pumping and precipitation. The water level has shown a gradual decline since 1954 and, due to increased pumpage, a record low (47.00) was recorded on October 19, 1957.

The water level in well Bal-1 (fig. 28) is affected by pumping to the extent that water-level fluctuations due to rainfall and other causes are obscured. This well is located in the Riviera Utilities well field at Foley in Baldwin County and is developed in the Citronelle formation.

Bal-1. Riviera Utilities. In waterworks lot. SE¼NW¼ sec. 29, T. 7 S., R. 4 E. Drilled unused artesian well in sand and gravel of Citronelle formation, diameter 24 to 12 inches, depth 146 feet, cased to 146. Measuring point is top of 12-inch casing which is 1.60 feet above land-surface datum. Land-surface datum is 76 feet above msl. Water level affected by pumping of nearby wells. Highest water level 16.0 Sept. 26, 1949; lowest 31.2 June 22, 1956; records available 1949-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.2	27.4	27.6	25.9	25.5	25.8	26.9	26.3	26.6	25.8	25.5	24.9
2	27.2	27.7	27.6	25.9	25.5	25.2	26.3	26.9	26.0	25.8	26.1	25.4
3	27.2	27.4	27.5	25.9	25.5	25.7	26.3	26.2	26.5	25.8	25.1	25.4
4	27.2	27.5	27.6	25.8	25.6	25.8	25.8	26.3	26.5	25.8		25.4
5	27.2	27.5	27.6	25.9	25.5	25.8	26.3	26.3	26.5	25.8		25.5
6	25.9	27.5	27.6	25.8	25.6	25.8	26.2	26.3	26.5	25.7		25.4
7	27.2	27.5	27.6	25.8	25.6	25.8	25.8	26.3	26.5	25.8		25.4
8	27.2	27.5	27.6	25.7	26.0	25.8	26.3	26.3	26.6	25.8		24.8
9	27.3	27.5	27.6	25.8	25.4	25.3	26.3	24.9	26.6	25.8		25.3
10	27.3	27.5	27.6	25.7	25.6	26.4	26.3	24.8	26.5	25.7		25.3
11	27.3	27.6	27.9	25.6	25.6	25.8	26.3	24.8	26.5	25.7	25.5	25.4
12	27.2	27.5	27.6	26.2	25.0	25.8	26.3	26.1	26.5	25.8	25.4	25.4
13	27.2	27.6	27.6	25.7	25.6	25.8	26.3	26.2	26.5	25.2	25.5	25.3
14	27.3	27.5	27.7	25.6	25.8	25.8	25.8	26.3	26.4	25.7	25.5	25.3
15	27.3	27.6	27.7	25.6	25.6	25.9	26.3	26.3	26.5	25.6	25.5	25.3
16	27.3	27.6	27.7	25.6	25.6	25.4	26.3	26.3	26.5	25.6	24.9	25.3
17	27.3	27.6	26.3	25.5	25.7	25.9	26.3	26.3	26.4	25.6	24.9	25.3
18	27.3	27.5	27.6	25.6	25.6	25.8	26.3	25.9	26.4	25.6	25.4	25.2
19	27.4	27.5	27.7	25.6	25.1	25.8	26.3	26.4	26.3	25.6	25.5	25.2
20	27.3	27.6	27.7	25.5	25.5	25.8	26.3	26.4	26.3	25.7	25.5	25.3
21	27.3	27.5	27.6	25.0	25.6	25.8	26.2	26.5	26.2	25.7	25.5	25.3
22	27.3	27.6	27.7	25.6	25.6	25.9	26.3	26.4	25.7	25.6	25.4	24.7
23	27.4	27.5	27.9	25.5	25.7	25.4	26.3	26.5	26.2	25.6	25.4	25.2
24	27.4	26.1	25.4	25.5	25.7	25.8	26.2	26.5	26.1	25.6	24.8	25.2
25	27.4	27.4		25.5	25.7	25.7	26.2	26.0	26.1	25.6	25.4	24.6
26	27.4	27.7		25.5	25.2	26.6	26.3	27.1	26.0	25.6	25.4	25.2
27	27.4	27.6		25.5	26.3	26.0	26.3	27.1	26.0	25.0	25.4	25.1
28	27.4	27.6		25.0	25.7	26.1	25.7	26.6	26.0	25.6	24.8	25.1
29	27.4		26.1	25.6	25.7	25.5	26.3	27.2	25.4	25.6	25.4	24.6
30	27.5		26.7	25.6	25.8	25.4	26.2	26.6	25.9	25.5	25.5	25.2
31	27.4		26.0		25.8		26.3	26.6		25.6		25.2

Table 1. --Well descriptions and water-level measurements (Continued)

Baldwin County, Ala., 1958

Bal-1. Riviera Utilities. In waterworks lot. SE¼NW¼ sec. 29, T. 7 S., R. 4 E. Drilled unused artesian well in sand and gravel of Citronelle formation, diameter 24 to 12 inches, depth 146 feet, cased to 146. Land-surface datum is 76 feet above msl. Measuring point is top of 12-inch casing, 1.60 feet above lsd. Water level affected by pumping of nearby wells. Highest water level 16.0 Sept. 29, 1949; lowest 31.2 June 22, 1956; records available 1949-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.6	25.0	24.7	24.0	23.7	23.5	23.6	23.1	21.5	21.6	21.6	22.0
2	25.1	24.4	24.0	24.0	23.7	23.9	23.6	23.1	22.1	21.5	20.9	21.9
3	25.2	25.1	24.7	23.9	23.7	24.0	23.6	23.0	22.1	21.5	21.6	21.9
4	25.2	25.0	24.6	23.9	23.0	24.0	23.0	23.0	22.1	21.5	21.5	21.9
5	24.5	25.0	24.7	23.9	23.7	24.1	23.5	23.0	22.1		21.5	22.0
6	25.0	24.9	24.6	23.8	23.7	24.1	23.0	22.9	22.4	21.5	21.5	22.1
7	25.8	25.0	24.5	24.0	23.7	24.1	23.4	22.9	22.0	21.5	21.7	21.4
8	25.2	25.0	24.6	24.0	23.8	23.4	23.3	22.9	22.0	21.5	21.6	21.7
9	25.2	24.3	24.0	24.0	24.1	23.9	23.3	22.9	22.0	21.5	21.0	21.8
10	25.2	24.8	24.5	23.9	23.7	24.6	23.4	22.2	22.0	21.3	21.7	21.8
11	25.2	24.8	24.5	23.9	23.1	24.1	23.5	22.2	22.0	21.5	21.1	21.8
12	25.1	24.9	24.4	23.9	23.6	24.1	23.5	22.8	22.0	20.8	21.6	21.8
13	25.2	24.9	24.5	23.2	24.5	24.1	22.8	22.2	22.0	21.5	21.7	21.8
14	25.2	24.9	24.5	23.1	23.8	24.1	23.2	22.1	21.4	21.5	21.7	21.2
15	25.1	24.9	24.5	23.2	23.8	23.3	23.3	22.5	22.0	21.4	21.7	22.2
16	25.2	24.3	24.3	23.4	23.7	23.8	23.4	22.7	22.0	21.5	21.1	22.2
17	25.2	24.8	24.3	23.2	23.6	23.8	23.4	21.0	22.5	21.4	21.8	22.2
18	25.2	24.8	24.3	23.7	23.8	23.7	23.4	22.4	22.0	21.4	21.8	22.2
19	24.6	24.8	24.3	23.7	23.6	23.6	23.3	22.4	22.0	21.3	21.8	22.2
20	25.1	24.8	24.2	23.0	23.7	23.8	22.8	22.4	21.9	21.4	21.8	22.3
21	25.2	24.8	24.2	23.7	23.9	23.8	23.3	22.4	21.4	21.4	21.8	21.6
22	25.2	24.7	24.2	23.7	24.4	23.7	23.2	22.4	21.9	21.4	21.9	22.4
23	25.1	24.7	23.5	23.7	23.7	23.6	23.2	22.3	21.9	21.5	21.9	22.4
24	25.1	24.7	24.1	23.7	23.7	23.7	23.1	21.7	21.8	21.5	21.9	22.4
25	25.1	24.7	24.1	23.7	23.3	23.8	23.1	22.8	21.8	21.6	21.9	22.4
26	24.6	24.6	24.1	23.7	23.8	23.7	23.2	22.2	21.7	20.9	21.9	22.4
27	25.1	24.6	24.1	23.0	24.0	23.5	22.6	22.2	21.7	21.6	21.3	22.4
28	25.1	24.7	24.1	23.7	24.0	23.5	23.7	22.2	21.0	21.6	21.9	22.8
29	25.1		24.0	23.7	24.0	23.7	23.1	22.2	21.6	21.5	22.1	22.4

Bib-1. Centreville Gin and Cotton Co. SE¼SW¼ sec. 25, T. 23 N., R. 9 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 8 inches, depth 404 feet, cased to 80, open hole. Measuring point is top of 8-inch casing which is 0.43 foot about land-surface datum. Land-surface datum is 230.93 feet above msl. Highest water level 18.0 Apr. 2, 1951; lowest 32.3 Oct. 16-17, 20, 22-24, 26, 30, Nov. 1, 1954; records available 1948-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.7	27.1	28.2	26.6	27.2	28.2	28.2	29.8	e30.4	28.2	29.7	27.2
2	29.7	26.8	28.2	24.8	27.1	28.2	27.7	29.8	e30.4	28.3	29.7	27.2
3	29.7	26.5	28.1	25.2	27.0	28.3	27.9	29.8	e30.4	28.3	29.8	27.3
4	29.7	26.1	28.1	25.2	26.5	28.4	28.1	29.9	e30.5	28.4	29.8	27.4
5	29.4	26.1	28.1	22.8	26.5	28.5	28.4	29.7	e30.5	28.4	29.8	27.5
6	28.5	26.1	28.1	22.1	26.8	28.6	28.6	29.8	30.5	28.5	29.9	27.5
7	28.4	26.3	28.1	23.1	26.9	28.7	28.8	29.8	30.5	28.7	29.8	27.5
8	28.5	26.6	28.2	24.2	27.0	28.7	e28.8	29.9	30.5	28.9	29.7	27.3
9	28.8	26.9	28.2	24.6	27.1	28.8	e28.9	29.9	30.3	29.0	29.7	26.5
10	29.0	27.3	28.2	24.9	27.1	28.8	e28.9	29.9	30.2	29.1	29.6	26.5
11	29.4	27.4	28.1	25.3	26.7	28.9	e29.0	30.0	30.2	29.2	29.6	26.8
12	29.4	27.6	28.2	25.6	26.5	28.9	e29.0	30.1	30.2	29.3	29.5	26.9
13	29.5	27.8	28.1	25.8	26.7	28.9	e29.1	30.1	30.2	29.4	29.5	27.0
14	29.6	27.9	27.8	25.9	26.9	29.0	e29.1	30.2	30.1	29.4	29.2	27.1
15	29.7	28.1	27.7	26.0	27.0	29.0	e29.2	30.2	30.0	29.4	27.6	27.2
16	29.8	28.2	27.7	26.2	27.0	29.1	e29.2	30.1	29.9	29.5	27.3	27.3
17	29.9	28.2	27.8	26.1	27.1	29.0	e29.2	29.8	29.7	29.5	27.5	27.3
18	30.0	28.2	27.8	25.9	27.1	28.9	e29.3	29.8	29.0	29.3	27.5	27.4
19	30.0	28.5	28.0	25.9	27.1	29.0	29.3	29.8	29.2	29.3	27.4	27.4
20	30.0	28.5	28.1	26.0	27.1	29.0	29.3	29.9	29.2	29.4	27.1	27.1
21	29.9	28.7	28.1	26.1	27.3	29.1	29.3	30.0	29.3	29.5	27.3	25.2
22	30.0	28.7	27.7	26.3	27.4	29.2	29.4	30.0	29.5	29.5	27.3	25.3
23	30.0	28.8	27.1	26.4	27.5	29.2	29.4	30.0	29.6	29.4	26.7	25.7
24	29.9	28.8	27.0	26.5	27.6	28.8	29.5	30.1	29.7	29.4	26.0	26.0
25	29.8	28.7	26.6	26.6	27.5	28.5	29.5	30.1	29.8	29.5	26.1	26.1
26	28.7	28.5	25.5	26.7	27.6	28.4	29.6	30.1	29.8	29.6	26.3	26.1
27	27.9	28.3	26.0	26.8	27.8	28.5	29.6	30.2	29.7	29.7	26.5	26.0
28	27.9	28.2	26.3	26.9	27.9	28.5	29.6	30.2	28.3	29.7	26.7	26.3
29	28.0		26.6	27.0	28.0	28.3	29.6	30.3	28.5	29.6	26.9	26.5
30	27.9		26.8	27.1	28.1	28.2	29.7	30.3	28.0	29.6	27.1	26.6
31	27.2		26.9		28.1		29.8	e30.4		29.6		26.8

e Estimated

Bibb County, Ala., 1958

Bib-1. Centreville Gin and Cotton Co. SE¼SW¼ sec. 25, T. 23 N., R. 9 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 8 inches, depth 404 feet, cased to 80, open hole. Land-surface datum is 230.93 feet above msl. Measuring point is top of 8-inch casing, 0.43 foot above land-surface datum. Highest water level 18.0 Apr. 2, 1951; lowest 32.3 Oct. 16-17, 20, 22-24, 26, 30, Nov. 1, 1954; records available 1948-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		26.9		26.3	27.5	28.9	29.0		29.6		29.2	28.8
2		27.0		26.4	27.4	29.0	29.1		29.6		29.2	28.9
3	27.0	27.1		26.4	26.3	29.1	29.1		29.7		29.2	28.9
4	27.1	27.0		26.5	26.5	29.1	29.2		29.7		29.2	29.0
5	27.1	27.0		26.4	26.5	29.2	29.2		29.7		29.3	29.3
6	27.1	27.6		26.5	25.9	29.2	29.3		29.8		29.3	29.4
7	27.2	24.0		26.7	25.8	29.2	29.3		29.8		29.3	29.4
8	27.3			26.7	26.2	29.3	29.2		29.8		29.4	29.4
9	27.4			26.7	26.5	29.3	29.1		29.8		29.5	29.5
10	27.4			26.6	26.7	29.4	28.4		29.8		29.5	29.5
11	27.5			26.6	26.9	29.4	28.1		29.8		29.5	29.5
12	27.5			26.7	27.1	29.5	27.8		29.6		29.5	29.5
13	27.5			26.7	27.3	29.5	27.7		29.1		29.4	29.6
14	27.5			26.8	27.4	29.6	27.7		29.2		29.5	29.6
15	27.6			26.7	27.5	29.6	27.4		29.3		29.5	29.6
16	27.6			26.6	27.6	29.4	27.3		29.3		29.5	29.5
17	27.7			26.4	27.7	29.2	27.5		29.3		29.6	29.5
18	27.8			26.5	27.8	29.0	27.7		29.3		29.6	29.5
19	27.8			26.6	27.9	29.0	27.8		29.3		29.6	29.5
20	27.8			26.7	e28.0	28.6	27.9		29.1			29.6
21	27.6			26.8	28.0	28.7	27.9	29.2	29.0		29.6	29.6
22	27.3				28.1	28.7	27.9	29.2	28.7		29.6	29.6
23	27.2			27.1	28.2	28.9	27.6	29.2	28.5		29.7	29.6
24	27.0			27.2	28.2	29.0	27.4	29.2			29.7	29.5
25	26.1			27.3	28.3	29.1	27.4	29.2			29.7	29.5
26	25.9		25.8	27.3	28.4	29.1	27.4	29.1	h28.7		29.7	29.5
27	26.2		26.0	27.3	28.5	28.9	27.2	29.2			29.7	29.4
28	26.3		26.1	27.4	28.6	28.8	27.3	29.3		29.4	29.5	29.4
29	26.5		26.1	27.5	28.7	28.9	27.3	29.4		29.4	29.4	29.4
30	26.7		26.1	27.4	28.8	28.9	27.3	29.5		29.4	29.3	29.4

Chi-3. U. S. Geol. Survey. Clanton, in waterworks lot. NE¼SE¼ sec. 35, T. 22 N., R. 14 E. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diameter 4 to 2 inches, depth 34 feet, cased to 34, screen at 26-32. Measuring point is top of 4-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 571.56 feet above msl. Highest water level 2.38 May 8, 1953; lowest 9.52 Nov. 2-3, 1954; records available 1952-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.42	4.42	4.42	3.01	3.89	4.20	4.27	5.56	e6.62	e4.98	5.83	4.13
2	5.47	4.42	4.42	3.18	3.62	4.24	4.03	5.63	e6.64	e5.00	5.87	4.06
3	5.35	4.30	4.34	3.20	3.53	4.33	4.21	5.65	e6.65	5.01	5.91	4.06
4	5.27	4.34	4.21	3.20	3.34	4.34	4.28	5.66	e6.66	5.03	5.83	4.12
5	5.10	4.38	4.28	2.53	3.56	4.37	4.57	5.73	e6.68	5.07	5.89	4.20
6	4.53	4.44	4.26	2.69	3.66	4.41	4.46	5.82	6.70	5.07	5.94	4.18
7	4.65	4.46	4.29	2.73	3.68	4.45	4.55	5.87	6.73	5.14	5.93	4.04
8	4.71	4.46	4.34	3.02	3.69	4.49	4.65	5.92	6.73	5.21	5.78	3.58
9	4.74	4.46	4.44	3.07	3.69	4.54	4.71	5.91	6.80	5.24	5.79	3.64
10	4.94	4.48	4.46	3.11	3.68	4.45	4.72	5.94	6.82	5.32	5.82	3.73
11	4.96	4.48	4.46	3.22	3.00	4.47	4.84	6.00	6.82	5.41	5.79	3.90
12	4.88	4.48	4.37	3.40	3.14	4.46	4.90	6.04	6.81	5.84	5.77	3.98
13	4.82	4.52	4.38	3.50	3.20	4.56	4.97	6.08	6.85	5.51	5.68	3.98
14	4.99	4.55	4.59	3.55	3.27	4.65	5.03	6.12	6.84	5.48	4.88	4.02
15	4.95	4.60	4.52	3.59	3.27	4.79	5.10	6.15	6.84	5.50	4.96	4.06
16	5.06	4.76	4.53	3.60	3.12	4.74	5.17	6.16	6.83	5.50	5.00	4.04
17	5.03	4.70	4.51	3.59	3.37	4.79	5.20	6.18	6.21	5.50	5.00	4.04
18	5.25	4.60	4.46	3.19	3.38	4.80	5.24	6.20	6.24	5.57	4.88	4.02
19	5.27	4.76	4.55	3.32	3.51	4.82	5.21	6.28	6.23	5.70	4.56	4.04
20	5.21	4.81	4.59	3.37	3.60	4.90	5.14	6.35	6.20	5.72	4.68	3.76
21	5.10	4.90	4.58	3.40	3.73	5.02	5.18	6.39	6.24	5.75	4.68	3.84
22	5.04	4.91	4.04	3.47	3.86	5.03	5.21	6.39	6.26	5.78	4.66	3.87
23	4.95	4.90	4.04	3.55	3.91	5.02	5.28	6.39	6.30	5.67	4.00	3.92
24	4.94	4.85	3.81	3.63	3.94	4.98	5.30	6.41	6.34	5.66	3.98	3.92
25	4.70	4.44	3.66	3.70	3.97	4.73	5.37	6.47	6.37	5.79	4.04	3.87
26	4.52	4.21	3.87	3.72	3.96	4.80	e5.33	6.50	6.37	5.89	4.12	3.81
27	4.53	4.30	3.94	3.78	3.96	4.79	e5.37	6.54	5.10	5.90	4.10	3.82
28	4.51	4.24	3.94	3.82	4.05	4.78	e5.40	6.56	5.06	5.93	4.11	3.90
29	4.54		3.97	3.74	4.08	4.64	e5.43	e6.57	4.92	5.84	4.00	3.97
30	4.42		3.98	3.90	4.13	4.28	5.46	e6.58	e4.95	5.80	4.55	4.00
31	4.30		3.98		4.17		5.52	e6.60		5.79		3.98

e Estimated

Chilton County, Ala., 1958

Chi-3. U. S. Geological Survey. Clanton, in waterworks lot. NE¼SE¼ sec. 35, T. 22 N., R. 14 E. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diameter 4 to 2 inches, depth 34 feet, cased to 34, screen at 26-32. Land-surface datum is 571.56 feet above msl. Measuring point is top of 4-inch casing, 1.00 foot above land-surface datum. Highest water level 2.38 May 8, 1953; lowest 9.52 Nov. 2-3, 1954; records available 1952-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		3.74	3.67	3.20	3.67			4.00	7.24	6.84	6.78	6.57
2		3.80	3.61	3.24	3.71		4.89	4.00	7.31	6.44	6.72	6.57
3	4.01	3.81	3.67	3.19	3.74		4.93	4.02	7.35	6.42	6.80	6.40
4	4.11	3.77	3.74	3.20	3.77		4.96	4.17	7.36	6.42	6.82	6.48
5	4.15	3.69	3.77	3.27	3.56		5.02	4.26	7.39	6.42	6.79	6.72
6	3.95	3.18	3.68	3.38	3.24		5.08	4.34	7.44	6.51	6.88	6.73
7	3.89	3.21	3.32	3.51	3.40		4.96	4.40	7.46	6.54	6.92	6.70
8	4.10	3.25	2.75	3.55	3.45		4.89	4.47	7.36	6.57	6.88	6.66
9	4.15	3.23	2.64	3.50			4.55	4.52	7.24	6.64	6.98	6.70
10	4.14	3.28	2.81	3.33			4.04	4.54	7.30	6.70	7.00	6.70
11	4.10	3.45	2.84	3.45			3.87	4.56	7.33	6.79	7.03	6.44
12	4.14	3.47	2.88	3.48			3.98	4.59	6.82	6.85	7.04	6.56
13	4.06	3.49	2.70	3.50			4.02	4.68	6.86	6.90	7.04	6.55
14	4.10	3.60	2.81	3.43			4.02	4.74	6.95	6.93	7.00	6.39
15	4.20	3.65	2.85	3.24			3.80	4.75	6.97	6.92	7.09	6.36
16	4.22	3.67	2.88	3.38			3.87	4.76	6.96	6.91	7.08	6.34
17	4.24	3.68	2.86	3.38			3.88	4.72	7.00	6.94	7.05	6.37
18	4.29	3.70	2.72	3.41			3.82	4.77	7.04	6.95	7.13	6.39
19	4.32	3.71	2.90	3.46			3.90	4.84	7.04	6.95	7.14	6.44
20	4.22	3.72	2.94	3.46			3.97	4.88	7.00	6.80	7.12	6.52
21	3.83	3.67	3.09	3.42		4.67	4.00		6.70	6.83	7.12	6.49
22	3.87	3.66	3.10	3.53		4.65	4.02	6.94	6.51	6.87	7.16	6.49
23	3.84	3.66	3.10	3.60			4.02	6.96		6.94	7.20	6.48
24	3.50	3.66	3.00	3.71			4.02	6.93		6.98	7.22	6.25
25	3.52	3.61	2.85	3.79			3.80	6.93	e6.67	7.00	7.14	6.31
26	3.61	3.44	2.93	3.70			3.67	6.93		7.06	7.00	6.32
27	3.79		3.10	3.69			3.52	6.99	6.71	7.12	6.82	6.28
28	3.79	3.62	3.16	3.65			3.60	7.05	6.77	7.16	6.77	6.21
29	3.82		3.17	3.70			3.68	7.11	6.80	7.14	6.61	6.28

Cla-1. City of Jackson. In waterworks lot. NE¼NE¼ sec. 5, T. 6 N., R. 2 E. Drilled unused artesian well in gravel deposits of Miocene age, diameter 20 to 10 inches, depth 171 feet, cased to 100, screen at 100-140. Measuring point is top 10-inch casing, 0.25 below land-surface datum. Water level affected by pumping of nearby well. Highest water level 104.24 June 23, 1958; lowest 119.29 Oct. 23, 1958; records available 1958. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					104.62	104.52						105.40
2					104.61	104.37						105.40
3					104.58	104.46						105.40
4					104.56	104.56						105.40
5					104.52	104.49						105.40
6					104.56	104.35						105.40
7					104.60	104.33						105.39
8					104.56	104.38						105.39
9					104.56	104.36			h104.30			105.39
10					104.53	104.37						105.39
11					104.53	104.36						105.39
12					104.54	104.35						105.39
13					104.54	104.34						105.39
14					104.67	104.34						105.39
15					104.58	104.31						105.38
16					104.48	104.32						105.38
17					104.38	104.32						105.38
18					104.40	104.31						105.38
19					104.42	104.34						105.38
20					104.41	e104.34				105.43		105.38
21					104.45				119.01	105.43		105.38
22									118.96	105.42		105.37
23					104.41				119.29	105.41		
24					104.42		114.62		119.25	105.41		
25				104.96	104.35		114.62		118.99	105.41		
26				104.90	104.34		114.63		119.21	105.41		
27				104.72	104.40		114.68		119.21	105.40		
28				104.64	104.41		114.67		119.15	105.41		
29				104.70	104.39					105.40		
30				104.79	104.39					105.40		
31					104.76							

e Estimated h Tape measurement

Table 1. --Well descriptions and water-level measurements--Continued

Colbert County, Ala., 1957

Col-1. U. S. Army, Corps of Engineers, Muscle Shoals. At Diamond Alkali Co. plant. NE¼NW¼NW¼ sec. 30, T. 3 S., R. 10 W. Drilled unused artesian well in limestone of the Fort Payne chert, diameter 8 inches, depth 265 feet. Measuring point is top of 8-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 527.8 feet above msl. Highest water level 5.3 March 21, 1955; lowest 37.5 Dec. 24, 27, 28, 1954; records available 1953-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.1			12.2	15.7	24.0	28.2				31.5	9.4
2	19.6			12.1	15.9	24.8	28.2				31.3	9.6
3	19.8			12.0	16.1	25.5	24.7		h32.3		31.0	9.8
4	17.2	h 7.39		11.1	16.4	25.6	23.8				32.1	
5	15.4		10.3	11.3	17.1	25.3	24.6	h28.5			32.4	11.4
6	14.3*		10.1	10.9	17.3	25.9	24.2				32.6	11.8
7	14.8		9.4		17.9	25.3	24.3				32.9	
8	14.6		9.2		18.2	25.4	25.3			h31.7	32.9	
9	14.4		9.3	9.9	18.8	24.9	25.5				30.1	
10	14.7		e 9.4	10.3	19.3	25.0	25.9		h33.1		29.1	
11	15.3		9.5	10.4	19.6	25.3	26.3				29.4	
12	15.2		9.3	10.9	20.0	25.0	27.1	h3[illegible].0		h32.3	29.6	9.6
13	15.5		9.9	11.0	20.6	26.7	26.5			33.3	29.4	9.8
14	17.0		10.2	11.2	20.7	25.7	26.6	29.7		33.2		11.4
15	17.6		10.3	11.7	21.5	26.2	27.7	29.7		33.3		11.5
16	17.4		10.0	12.0	22.0	26.9	27.9	29.1	h32.6	33.3		10.1
17	18.2		10.2	12.2	22.0	26.7	28.4	29.0		32.9		10.2
18	18.4		10.4	12.8	21.7	26.9	27.0	29.7		33.3	14.0	10.3
19	18.5		10.5	12.5	21.7	27.0	23.8	29.8		32.9	10.5	9.2
20	18.7		10.9	12.6	22.1	27.0	23.6	29.3		33.3	9.5	9.1
21	19.5		11.0	12.7	22.7	26.8	23.9	28.8		33.8	9.1	9.2
22	19.6		11.1	12.8	23.0	26.8	24.9	29.5		33.6	9.3	9.4
23	17.5		11.0	13.0	23.0		25.4			33.5	9.4	9.5
24	17.0		11.3	13.4	23.7		25.8			30.9	9.2	9.4
25	16.4		11.6	13.9	23.2		26.2			30.8	9.3	9.5
26	15.3		11.8	14.4	23.2		27.0			30.3	8.7	9.9
27	13.1		12.1	14.6	23.5		26.6				8.8	10.0
28			12.0	14.8	24.0		26.7			31.2	9.0	10.2
29			13.2	15.0	24.3					31.4	8.9	10.4

Col-1. U. S. Army, Corps of Engineers, Muscle Shoals. At Diamond Alkali Co. plant. NW¼NW¼ sec. 30, T. 3 S., R. 10 W. Drilled unused artesian well in limestone of the Fort Payne chert, diameter 8 inches, depth 265 feet. Land-surface datum is 527.8 feet above msl. Measuring point is top of 8-inch casing, 1.00 foot above lsd. Highest water level 5.3 March 21, 1955; lowest 37.5 Dec. 24, 27-28, 1954; records available 1953-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		11.4	12.0	11.0		12.62				20.1	27.6	26.5
2	10.8	11.8	12.0	11.2		13.06				20.6	26.9	27.0
3	11.1	12.2	12.2	11.2		13.39				20.8	27.0	27.1
4	11.2	12.3	12.3			13.58				20.8	27.5	27.1
5	11.3	e11.9	12.6			13.83				21.1	28.0	28.0
6	11.3		12.7			14.12				21.8	28.5	28.3
7	11.5		13.0			14.61				22.2	28.7	28.4
8	11.8	9.2	12.9			14.60				22.1	28.9	28.9
9	12.0	9.2	13.1			14.82				22.5	28.5	28.8
10	12.4	9.4	13.5			15.17				23.2	29.5	29.0
11	12.4	9.6	13.8			15.47				23.0	29.9	28.0
12	12.5	9.8	13.8							23.3	30.0	29.3
13	12.6	10.1	14.1							23.7	30.5	29.5
14	12.4	10.3	14.4				14.3			23.7	31.0	29.8
15	12.4	10.3	14.2				14.7			24.3	30.1	29.8
16	12.5	10.6	14.4				15.3	15.3		24.1	29.2	29.3
17	12.7	11.1	14.7				15.2	15.7		24.4	30.7	30.0
18	12.9	11.4	14.6				15.6	16.1		24.4	31.2	29.9
19	12.9	11.6	14.8	9.9			15.7	16.6		24.5	29.6	29.5
20	13.1	11.8	14.7	10.0			16.0			25.0	29.8	29.5
21	12.9	11.8	14.7	9.9			16.2			25.6	29.5	29.3
22	13.1	11.6	14.6	10.0			13.1			26.2	28.9	30.4
23	13.2	11.6	14.6	10.3			11.7			26.3	28.7	30.1
24	12.1	12.0	14.7	10.4			10.5			26.3	29.9	30.4
25	10.5	12.3	13.3				9.1			26.4	30.1	30.9
26	10.3	12.5	12.3							26.5	30.5	31.4
27	10.5	12.1	11.0		11.27					26.8	30.3	
28	10.7	12.0	10.8		11.67					26.9	29.5	
29	10.9		10.7		12.08					27.5	27.2	31.6
30	11.0		10.7		12.07						26.3	32.1
31	11.2		10.9		12.38					27.6		31.5

e Estimated

Table 1. --Well descriptions and water-level measurements--Continued

Cullman County, Ala., 1957

Cul-1. City of Cullman. Second St. and Third Ave., West. NE¼NW¼ sec. 15, T. 10 S., R. 3 W. Drilled unused water-table well in sandstone of Pottsville formation, diameter 8 inches, depth 81 feet, cased to 13, open hole. Measuring point is top of 8-inch casing which is 1.30 feet above land-surface datum. Land-surface datum is 768 feet above msl. Highest water level 13.0 Dec. 20, 1957; lowest 26.6 Aug. 6, 1952; records available 1952-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		16.5	16.4	14.9	14.6	16.0	15.5	15.8	15.7	14.7	15.0	14.0
2		16.6	16.3	15.0	14.7	15.9	15.5	15.8	15.6	14.7	15.1	14.0
3		16.4	16.2	15.0	14.7	15.9	15.6	15.8	15.6	14.6	15.1	13.9
4		16.5	16.1	14.7	15.0	16.0	15.6	15.7	15.6	14.6	15.1	14.0
5		16.5	16.1	14.8	15.9	15.9	15.7	15.8	15.7	14.7	15.2	14.0
6		16.5	16.0	14.9	16.1	15.9	15.7	15.9	15.7	14.7	15.2	13.9
7		16.5	16.0	14.9	16.1	15.8	15.8	16.0	15.6	14.7	15.1	13.6
8		16.4	15.9	15.0	16.1	15.7	15.9	16.0	15.6	14.8	15.0	13.4
9		16.3	16.0	15.0	16.0	15.8	15.9	15.9	15.7	14.8	15.2	13.4
10		16.5	16.0	14.9	16.0	15.9	15.9	15.8	15.8	14.8	h15.1	13.4
11		16.5	15.9	14.9	15.9	15.9	15.8	16.0	15.7	14.9		13.7
12		16.5	15.8	15.1	15.8	15.8	15.8	16.0	15.5	14.8		13.8
13		16.5	15.7	15.2	15.8	15.8	15.8	16.0	15.4	14.9		13.7
14		16.4	15.9	15.2	15.9	16.0	15.9	16.0	15.3	15.1		13.7
15	17.2	16.4	15.9	15.2	15.9	16.0	15.9	16.0	15.2	15.0		13.7
16	17.3	16.5	15.9	15.1	15.9	16.0	15.6	16.0	15.1	14.9		13.7
17	17.3	16.5	15.7		15.9	16.1	15.6	15.9	15.2	15.0		13.6
18	17.5	16.3	15.5		15.9	16.1	15.7	15.7	15.2	15.0		13.4
19	17.3	16.5	15.7		15.9	16.0	15.7	15.5	15.1	15.2		13.3
20	17.1	16.5	15.7		15.8	16.0	15.7	15.7	14.9	15.3		13.4
21	17.1	16.5	15.5		15.9	16.2	15.7	15.8	15.0	15.3		13.5
22	17.2	16.5	15.4		15.9	16.2	15.7	15.8	15.0	15.3		13.5
23	17.2	16.5	15.4		16.0	16.2	15.7	15.8	15.1	15.0		13.6
24	17.0	16.3	15.2		16.0	16.0	15.7	15.6	15.2	14.8		13.6
25	17.0	16.0	15.3	15.1	16.0	15.9	15.8	15.7	15.1	15.1		13.4
26	17.0	16.2	15.6	14.8	16.0	15.9	15.9	15.8	15.1	15.3		13.3
27	16.8		15.6	14.9	16.0	15.9	15.8	15.8	15.1	15.3		13.3
28	16.7		15.4	14.9	16.0	15.6	15.8	15.7	15.0	15.3		13.3
29	16.8		15.3	14.8	16.0	15.7	15.7	15.8	14.5	15.2		13.9
30	16.6		15.2	14.7	16.0	15.7	15.7	15.8	14.6	15.0		14.0

Cul-1. City of Cullman. Second St. and Third Ave., West. NE¼NW¼ sec. 15, T. 10 S., R. 3 W. Drilled unused water-table well in sandstone of Pottsville formation, diameter 8 inches, depth 81 feet, cased to 13, open hole. Land-surface datum is 768 feet above msl. Measuring point is top of 8-inch casing, 1.30 feet above land-surface datum. Highest water level 12.73 April 29, 1958; lowest 26.6 Aug. 6, 1952; records available 1952-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				13.25	12.88	13.81		13.58	15.23	14.69	14.25	13.88
2				13.26	12.92	13.88		13.47	15.30	14.66	14.35	13.81
3				13.16	12.96	14.06		13.30	15.41	14.66	14.34	13.58
4				13.05	12.93	14.18		13.44	15.47	14.59	14.26	13.45
5				13.08	12.86	14.23		13.53	15.42	14.62	14.33	14.08
6				13.03	12.86	14.05		13.56	15.35		14.42	14.20
7	14.02			13.36	12.93	14.03		13.57	15.36	14.01	14.28	14.13
8				13.39	12.99	14.06		13.60	15.40	13.99	14.22	13.95
9				13.28	13.09	14.09		13.70	15.42	13.98	14.52	14.10
10				13.12	13.01	14.05		13.72	15.33	14.26	14.58	14.11
11		13.57		13.30	13.03	14.13		13.70	15.36	14.44	14.59	13.88
12		13.59		13.36	13.27	14.15		13.65	15.36	14.43	14.54	14.14
13	14.23	13.78		13.40	13.41	14.15		13.78	15.40	14.46	14.45	14.23
14		13.75		13.33	13.41			13.82	15.42	14.45	14.39	14.30
15	14.24			12.96	13.41		13.75	13.83	15.50	14.38	14.43	14.33
16				13.09	13.35		13.78			14.26	14.33	14.21
17				13.09	13.38		13.80	14.67	15.39	14.27	14.45	14.07
18				13.04	13.45		13.72	14.75	15.36	14.24	14.45	14.05
19				13.01			13.64	14.91	15.30	14.20	14.40	14.11
20				13.01	13.22		13.61	14.96	15.22	14.30	14.27	14.32
21			13.29		13.26		13.66	14.95	15.00	14.40	14.23	14.33
22			13.41	13.02	13.24		13.67	14.94	14.49	14.39	14.25	14.23
23			13.35	13.06	13.30		13.70	14.96	14.62	14.50	14.11	14.04
24			13.22	13.24	13.34		13.64	14.88	14.60	14.55	14.17	14.15
25			12.88	13.25	13.31		13.16	14.92	14.71	14.55	14.11	14.15
26			12.90	13.13	13.44		13.26	14.98	14.69	14.65	14.12	
27			13.04	13.02	13.54		13.40	15.02	14.73	14.72	14.14	
28			13.10	12.94	13.63		13.46	15.03	14.79	14.74	13.95	
29			13.10	12.88	13.73		13.46	15.13	14.76	14.76	13.92	
30			13.01	12.83	13.76		13.43	15.21	14.79	14.54	13.97	13.88
31			13.16		13.75		13.53	15.25		14.25		13.87

Table 1. --Well descriptions and water-level measurements--Continued

Dallas County, Ala., 1957

Dls-2. City of Selma. In waterworks lot. NW¼NW¼ sec. 31, T. 17 N., R. 11 E. Drilled unused artesian well in sand of Eutaw formation, diameter 6 inches, depth 420 feet. Measuring point is top of 6-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 125.26 feet above msl. Water level affected by pumping of nearby wells. Highest water level 13.5 Feb. 17, 1946; lowest 41.6 Aug. 29, 1957; records available 1941, 1945-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.5	18.8	19.9	23.5	22.9	30.9	27.2	34.9	35.6	26.9	22.4	19.9
2	19.7	18.5	19.8	19.4	22.7	28.4	27.8	35.7	34.9	27.6	25.1	22.5
3	19.8	17.9	23.7	18.6	22.5	27.8	27.8	35.7	35.4	27.8	25.1	26.1
4	20.0	21.4	21.8	20.2	22.3	27.7	26.5	35.9	35.7	28.3	25.0	25.2
5	19.7	22.4	22.7	20.0	23.7	27.9	27.6	33.0	35.2	28.2	25.9	21.9
6	23.5	22.8	23.1	17.8	24.0	27.9	28.7	32.5	35.9	27.7	26.2	23.5
7	22.9	23.8	23.1	20.8	23.4	27.9	25.7	32.4	36.4	24.2	26.5	23.8
8	22.9	23.2	25.3	20.1	24.1	28.9	31.5	32.5	34.5	25.0	26.6	23.1
9	23.3	23.1	23.1	16.6	24.6	29.0	33.2	33.9	29.8	24.8	26.6	20.0
10	23.7	23.0	25.1	16.3	25.0	31.0	33.9	34.1	30.7	27.1	26.4	20.0
11	23.7	19.7	24.1	16.3	24.7	32.4	34.6	35.9	31.4	26.5	22.4	19.7
12	23.6	19.6	20.5	19.3	24.0	32.9	34.6	38.2	31.9	25.0	27.4	19.6
13	22.2	19.5	20.1	20.1	22.9	34.2	34.1	39.2	31.3	23.8	26.1	22.7
14	20.0	19.4	19.8	22.6	23.8	34.8	34.2	39.8	31.2	24.7	30.1	24.3
15	20.1	19.5	19.6	21.5	23.3	35.0	33.3		28.2	25.4	29.6	26.7
16	20.0	19.3	19.4	18.5	24.1	32.6	31.7		28.1	24.2	27.6	19.9
17	20.1	21.1	19.3	18.6	24.8	30.1	31.6		29.5	24.3	25.9	20.0
18	21.2	22.0	21.3	18.5	27.9	31.2	30.9		29.7	25.0	22.0	20.0
19	20.1	23.0	22.6	18.5	25.6	31.8	28.9	34.8	31.4	25.1	21.9	20.0
20	19.8	23.4	23.1	18.4	23.9	31.8	30.2	35.6	31.8	23.2	21.8	23.8
21	22.2	23.7	23.4	22.7	24.0	31.6	27.1	35.7	31.5	25.2	21.4	23.8
22	23.3	24.0	23.3	22.1	24.5	30.3	29.1	36.1	28.4	26.2	21.1	23.8
23	23.6	23.9	23.3	22.7	24.3	28.1	29.0	36.0	28.0	26.4	20.6	19.7
24	23.8	25.5	24.8	23.6	25.5	28.6	28.2	36.3	28.4	26.5	20.0	19.5
25	23.7	25.4	23.6	23.9	24.9	31.6	28.3	36.0	28.3	26.7	22.9	19.2
26	23.4	20.7	20.0		24.1	32.1	30.0	36.2	27.3	26.5	25.9	18.5
27	24.9	20.3	19.6		28.0	31.9	30.4	37.9	26.1	26.3	23.9	20.7
28	23.5	20.1	19.3		28.8	30.4	30.3	41.0	25.5	22.9	24.0	19.3
29	22.9		19.8	25.5	29.6	31.5	32.8	41.6	24.9	24.0	20.8	18.4

Dls-2. City of Selma. In waterworks lot. NW¼NW¼ sec. 31, T. 17 N., R. 11 E. Drilled unused artesian well in sand of Eutaw formation, diameter 6 inches, depth 420 feet. Land-surface datum is 125.26 feet above msl. Measuring point is top of 6-inch casing, 1.00 foot above msl. Water level affected by pumping of nearby wells. Highest water level 13.5 Feb. 17, 1946; lowest 41.6 Aug. 29, 1957; records available 1941, 1945-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.0	19.5	21.3	16.0	18.1	29.6	30.0		34.1	28.8	28.4	24.8
2	18.9	18.4	19.3	18.5	21.3	31.3	30.5		34.8	28.6	27.9	29.0
3	18.4	17.5	18.5	17.5	21.5	31.7	30.6		32.9	32.4	27.3	26.8
4	18.2	17.8	18.4	17.6	19.1	27.4	30.2	29.5	32.8	29.4	27.4	29.9
5	18.0	19.6	18.4	19.7	18.2	27.7	30.1	30.0	32.9	27.7	26.6	29.9
6	17.6	19.8	19.8	17.7	17.9	28.4		30.5	33.1	28.9	24.9	27.5
7	18.9	17.7	18.5	16.9	17.7	28.8	29.7	30.5	33.2	29.0	26.2	26.6
8	18.2	18.8		18.3	19.4	28.8	28.8	31.0	32.8	28.6	25.6	26.7
9	21.3	17.0		19.6	20.0	29.4	26.7	30.0	33.1	28.9	25.1	26.0
10	23.2	16.2	15.4	17.6	23.1	30.4	27.6	28.3	33.1	29.4	30.3	26.7
11	21.7	16.6	17.5	17.4	22.9	30.6	27.6	30.9	33.2	28.9	30.3	26.2
12	21.2	17.8	17.5	18.5	23.2	30.8	26.8	31.1	31.9	25.5	30.5	25.8
13	18.8	17.8	16.1	17.3	24.4	31.1	25.1		33.3	28.0	31.9	25.2
14	18.9	20.8	16.4	17.5	25.8	30.7	26.6		28.3	29.2	32.0	22.1
15	18.8	21.1	17.8	17.2	25.5	31.2	27.2		29.0	28.9	31.3	26.5
16	18.7	18.6	16.8	18.1	26.0	27.9	27.0		30.3	29.1	28.7	28.2
17	19.2	17.8	16.4	19.0	26.4	26.8	28.4		30.3	29.5	29.2	27.5
18	21.5	24.7	16.4	20.8	26.1	28.7	28.7	29.4	30.0	29.1	28.7	28.8
19	21.6	25.8	16.4	21.0	21.1	28.2	28.5	30.3	30.4	25.6	27.1	27.9
20	18.6	25.3	16.3	20.8	20.4	26.9	28.1	30.8	29.5	28.1	29.5	28.9
21	21.2	25.1	17.8	18.1	22.6	26.2	27.5	31.6	26.1	28.9	28.7	25.6
22	21.7	24.7	18.8	17.7	22.6	24.2	27.1	31.9	27.8	29.1	28.3	25.2
23	19.5	20.8	16.9	18.2	23.6	27.1	26.9	31.4	29.0	29.2	24.6	25.7
24	18.7	19.1	16.2	19.0	23.7	29.7	26.4	27.8	29.0	29.9	27.7	24.4
25	18.4	20.1	16.1	21.0	22.5	30.8	26.3	32.1	29.5	30.8	27.4	21.8
26	18.0	20.4	16.0	21.2	25.4		25.8	33.5	30.0	28.7	26.8	20.6
27	17.6	23.1	15.9	18.4	26.4		24.1	33.6	30.1	31.5	25.8	20.4
28	17.8	22.7	18.6	18.0	26.6		28.5	34.4	27.0	31.6	22.5	20.0
29	19.8		18.9	18.0	27.1		29.3	34.5	28.8	31.6	22.1	25.5
30	18.7		16.7	17.9	29.5	29.5	30.0	34.5	30.5	31.8	21.8	26.6
31	20.0		15.7		30.6		30.7	32.6		29.3		25.1

Elmore County, Ala., 1957

Elm-1. City of Eclectic. At rear of High School. SW¼NE¼ sec. 14, T. 19 N., R. 20 E. Drilled unused artesian well in augen gneiss, diameter 8 inches, depth 402 feet, cased to 63, open hole. Measuring point is top of 8-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 557.5 feet above msl. Highest water level 6.70 May 10, 1957; lowest 12.76 Oct. 29, 1954; records available 1953-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		7.98	7.93	7.59	7.30	7.50	8.32	8.52			8.16	7.78
2		7.95	7.92	7.60	7.28	7.52	8.26	8.54			8.23	7.80
3		7.90	7.90	7.54	7.27	7.56	8.21	8.59		8.10	8.28	7.76
4	8.34	7.84	7.90	7.42	7.03	7.52	8.20	8.64		8.10	8.31	7.80
5	8.34	7.84	7.88	7.20	6.98	7.52	8.22	8.66		8.03	8.36	7.82
6	8.30	7.82	7.86	7.16	6.96	7.56	8.22	8.72	9.56	8.00	8.40	7.76
7	8.25	7.83	7.82	7.10	6.94	7.63	8.25	8.80	9.61	8.00	8.38	7.68
8	8.23	7.81	7.84	7.10	6.92	7.69	8.30	8.83	9.51	7.99	8.45	7.63
9	8.22	7.80	7.86	7.10	6.95	7.75	8.33	8.86	9.50	8.00	8.60	7.60
10	8.31	7.82	7.85	7.05	6.98	7.81	8.35	8.89	9.48	7.98	8.80	7.56
11	8.30	7.84	7.88	7.08	6.90	7.85	8.39	8.92		8.01	8.80	7.58
12	8.28	7.83	7.86	7.12	6.90	7.88	8.40	8.94	9.49	8.00	8.45	7.53
13	8.29	7.84	7.81	7.12	6.92	7.91	8.44	8.97	9.49	7.96	8.43	7.48
14	8.31	7.83	7.81	7.14	6.94	7.96	8.46	9.00	9.44	7.95	8.30	7.51
15	8.31	7.80	7.83	7.14	6.94	8.01	8.49	9.02	9.51	7.96	8.30	7.52
16	8.32	7.81	7.86	7.07	6.96	8.04	8.50	9.04	9.40	7.93	8.35	7.52
17	8.34	7.83	7.81	7.02	6.95	8.05	8.39	9.09	9.41	7.93	8.36	7.53
18	8.34	7.80	7.78	7.00	6.94	8.04	8.40	9.10	9.39	7.94	8.30	7.54
19	8.30	7.81	7.80	7.00	6.92	8.07	8.41	9.06	9.35	7.99	8.32	7.48
20	8.37	7.84	7.83	6.99	6.94	8.13	8.34	9.10		8.04	8.35	7.48
21	8.37	7.87	7.78	7.01	6.98	8.21	8.34	9.17		8.10	8.32	7.48
22	8.25	7.89	7.77	7.03	7.04	8.25	8.36	9.22		8.09	8.18	7.48
23	8.26	7.94	7.78	7.07	7.10	8.30	8.37	9.25		8.05	8.12	7.46
24	8.30	7.93	7.70	7.12	7.16	8.35	8.39	9.26		8.07	8.00	7.42
25	8.18	7.84	7.72	7.15	7.21	8.35	8.44	9.28			7.97	7.36
26	8.21	7.86	7.75	7.18	7.27	8.40	8.45	9.30			7.91	7.35
27	8.16	7.88	7.76		7.26	8.44	8.46	9.34		8.17	7.84	7.35
28	8.12	7.91	7.76		7.34		8.46				7.79	7.38
29	7.99		7.78	7.25	7.40		8.44			8.14	7.72	7.43
30	8.01		7.78	7.27	7.45	8.41	8.46			8.12	7.80	7.42

Elm-1. City of Eclectic. At rear of High School. SW¼NE¼ sec. 14, T. 19 N., R. 20 E. Drilled unused artesian well in augen gneiss, diameter 8 inches, depth 402 feet, cased to 63, open hole. Land-surface datum is 557.5 feet above msl. Measuring point is top of 8-inch casing, 1.00 foot above land-surface datum. Highest water level 6.70 May 10, 1957; lowest 12.76 Oct. 29, 1954; records available 1953-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		7.91	7.52		7.55	8.62	8.92	8.17	9.06	9.13	9.46	9.85
2		7.94	7.54		7.62	8.65		8.12	9.10	9.08	9.47	9.83
3	7.60	7.93	7.58		7.67	8.70		8.09	9.16	9.07	9.48	9.77
4	7.63	7.86	7.60		7.70	8.75		8.12	9.17	9.04	9.49	9.78
5	7.62	7.71	7.59		7.70	8.75		8.17	9.21	9.00	9.48	9.88
6	7.62	7.67	7.60		7.66	8.76		8.20	9.22	9.01	9.51	9.94
7	7.58	7.67	7.42		7.66	8.78		8.22	9.25	9.03	9.56	9.94
8	7.63	7.60	7.32		7.70	8.80		8.26	9.31	9.04	9.58	9.96
9	7.64	7.54	7.22		7.71	8.87		8.34	9.36	9.06	9.61	10.00
10	7.63	7.49	7.19		7.74	8.92		8.35	9.40	9.10	9.69	9.93
11	7.62	7.49	7.13		7.75	8.98		8.40	9.42	9.15	9.71	9.94
12	7.66	7.50	7.06		7.81	9.02		8.44	9.36	9.20	9.71	9.94
13	7.65	7.44	7.01		7.90	9.08		8.49	9.38	9.21	9.70	9.90
14	7.73	7.46	7.01		7.95	9.09		8.55	9.40	9.22	9.69	9.91
15	7.76	7.50	7.00		7.99	9.10		8.56	9.39	9.20	9.70	9.88
16	7.80	7.47	6.97		8.04	9.08		8.57	9.35	9.19	9.69	9.85
17	7.85	7.49	6.87		8.08	9.00		8.54	9.29	9.19	9.69	9.83
18	7.89	7.49	6.87		8.13	9.04		8.56	9.29	9.18	9.71	9.86
19	7.90	7.51	6.88		8.14	9.06		8.61	9.29	9.21	9.76	9.86
20	7.84	7.47	6.86		8.10	e9.00		8.65	9.28	9.24	9.77	9.93
21	7.82	7.48	6.88		8.16	8.92		8.59	9.24	9.26	9.81	9.93
22	7.85	7.49	6.86		8.18	8.88	8.26	8.67	9.19	9.28	9.84	9.93
23	7.80	7.50	6.82	7.27	8.21	8.84	8.25	8.73	9.15	9.31	9.88	9.90
24	7.78	7.50	6.78	7.31	8.22	8.85	8.24	8.76		9.36	9.90	9.92
25	7.87	7.42	6.74	7.36	8.23	8.88	8.15	8.81	9.15	9.39	9.90	9.93
26	7.76	7.43		7.36	8.28	8.86	8.14	8.84	9.15	9.42	9.90	9.91
27	7.81			7.38	8.33	8.86	8.14	8.89	9.17	9.47	9.89	9.87
28	7.83	7.50		7.43	8.41	8.88	8.15	8.93	9.17	9.47	9.87	9.85
29	7.83			7.45	8.47	8.89	8.14	8.91	9.17	9.50	9.89	9.86
30	7.86			7.50	8.52	8.92	8.15	9.00	9.16	9.51	9.87	9.84
31	7.90				8.56		8.17	9.03		9.51		9.82

e Estimated

Table 1. --Well descriptions and water-level measurements--Continued

Greene County, Ala., 1957

Gre-2. W. F. Bell. Boligee. NE¼NE¼ sec. 31, T. 21 N., R. 1 E. Drilled unused artesian flowing well in sand of Eutaw formation, diameter 3 inches, depth 560 feet. Measuring point is top of 6-inch casing (since March 12, 1957) which is 8.78 feet above land-surface datum. Land-surface datum is 117.13 feet above msl. Recording gage installed September 5, 1957. Highest water level +8.59 July 21, 1941; lowest +3.64 Dec. 28, 1954; records available 1940-42, 1946-57. Daily lowest water level above land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1										6.34	6.34	6.23
2										6.35	6.34	6.25
3						h6.59				6.37	6.31	6.26
4										6.37	6.31	6.29
5									6.27	6.34	6.31	6.29
6									6.13	6.34	6.32	6.32
7									6.25	6.33	6.33	6.33
8									6.30	6.32	6.32	6.31
9									5.58	6.32	6.30	6.31
10									5.81	6.32	6.31	6.31
11									5.90	6.30	6.24	6.30
12			h6.70						6.07	6.29	6.22	6.30
13									6.33	6.30	6.32	6.25
14									6.39	6.30	6.39	6.34
15							h6.28		6.41	6.31	6.43	6.32
16									5.51	6.33	6.41	6.37
17					h6.65				6.15	6.33	6.40	6.44
18									6.25	6.31	6.40	6.45
19									6.54	6.29	6.37	6.46
20				h6.18					6.54	6.28	6.35	6.46
21									6.54	6.28	6.33	6.61
22									6.56	6.29	6.35	6.63
23			h6.62						6.52	6.31	6.40	6.61
24									6.51	6.31	6.40	6.61
25									6.51	6.30	6.37	6.61
26		h6.57							6.52	6.26	6.37	6.61
27										6.26	6.32	6.61
28						h6.55			6.21	6.26	6.32	6.61
29									6.33	6.27	6.32	6.61

Gre-2. W. F. Bell. Boligee. NE¼NE¼ sec. 31, T. 21 N., R. 1 E. Drilled unused artesian flowing well in sand of Eutaw formation, diameter 3 inches, depth 560 feet. Land-surface datum is 117.13 feet above msl. Measuring point is top of 6-inch casing, 8.78 feet above lsd. Highest water level +8.59 July 21, 1941; lowest +3.64 Dec. 28, 1954; records available 1940-42, 1946-58. Daily lowest water level above land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		6.63	6.29	6.25	6.20	6.09						
2		6.63	6.29	6.25	6.20	6.08						
3		6.51	6.29	6.25	6.20	6.07						
4		6.55	6.29	6.25	6.20	Measurement						
5		6.55	6.28	6.25	6.19	discontinued						
6	6.70	6.55	6.28	6.25	6.19							
7	6.72	6.48	6.28	6.24	6.19							
8	6.69	6.46	6.28	6.24	6.18							
9	6.69	6.46	6.28	6.24	6.18							
10	6.67	6.47	6.28	6.24	6.18							
11	6.68	6.48	6.28	6.23	6.18							
12	6.73	6.45	6.28	6.23	6.18							
13	6.73	6.33	6.27	6.23	6.18							
14	6.72	6.33	6.27	6.23	6.17							
15	6.72	6.32	6.27	6.23	6.17							
16	6.67	6.32	6.27	6.22	6.16							
17	6.67	6.33	6.27	6.22	6.16							
18	6.66	6.43	6.27	6.22	6.16							
19	6.65	6.34	6.27	6.62	6.15							
20	6.66	6.33	6.27	6.62	6.15							
21	6.66	6.31	6.26	6.21	6.15							
22	6.67	6.32	6.26	6.21	6.15							
23	6.68	6.35	6.26	6.21	6.14							
24	6.66	6.36	6.26		6.14							
25	6.67	6.36	6.26	6.22	6.13							
26	6.67	6.36	6.26	6.21	6.12							
27	6.66	6.37		6.21	6.12							
28	6.68	6.35	6.26	6.21	6.11							
29	6.68		6.26	6.20	6.10							
30	6.67		6.26	6.20	6.10							
31	6.68		6.26		6.09							

Table 1. --Well descriptions and water-level measurements--Continued

Greene County, Ala., 1957

Gre-3. U. S. Geol. Survey. Eutaw at sewage pumping plant on Roberts St. SE¼SE¼ sec. 33, T. 22 N., R. 2 E. Drilled observation artesian well in sand of Eutaw formation, diameter 4 to 2 inches, depth 407 feet, cased to 407, screen at 395-407. Measuring point is top of 4-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 172.14 feet above msl. Highest water level 35.94 Apr. 2, 1953; lowest 40.31 Sept. 11-13, 1957; records available 1952-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		38.92	38.36	38.19	38.15	38.45	39.44	39.71		39.84	39.33	38.74
2		38.91	38.35	38.19	38.15	38.47	39.43	39.72		39.82	39.33	38.72
3	39.15	38.89	38.34	38.19	38.15	38.51	39.42	39.74		39.79	39.31	38.70
4	39.15	38.88	38.33	38.18	38.15	38.56	39.42	39.75		39.76	39.30	38.69
5	39.14	38.86	38.31	38.18	38.14	38.62	39.41	39.76	40.24	39.73	39.28	38.67
6	39.13	38.84	38.30	38.17	38.14	38.70	39.40	39.78	40.26	39.71	39.27	38.65
7	39.12	38.83	38.29	38.16	38.14	38.79	39.40	39.89	40.27	39.68	39.26	38.63
8	39.10	38.82	38.29	38.15	38.14	38.89	39.40	39.82	40.28	39.66	39.25	38.61
9	39.09	38.80	38.28	38.15	38.14	38.99	39.40	39.84	40.28	39.63	39.23	38.59
10	39.08	38.78	38.27	38.14	38.15	39.09	39.41	39.86	40.30	39.62	39.23	38.57
11	39.08	38.77	38.26	38.14	38.15	39.20	39.43	39.88	40.31	39.60	39.21	38.55
12	39.08	38.75	38.25	38.14	38.15	39.27	39.44	39.91	40.31	39.59	39.20	
13	39.07	38.73	38.25	38.14	38.15	39.32	39.46	39.94	40.31	39.58	39.19	
14	39.06	38.72	38.24	38.13	38.16	39.66	39.58	39.97	40.30	39.56	39.18	
15	39.04	38.71	38.24	38.13	38.17	39.38	39.50	39.90	40.29	39.56	39.16	
16	39.03	38.69	38.24	38.12	38.18	39.41	39.52	40.03	40.26	39.55	39.14	
17	39.02	38.68	38.24	38.13	38.19	39.43	39.54	40.05	40.24	39.54	39.12	
18	39.00	38.66	38.23	38.13	38.20	39.45	39.56	40.06	40.21	39.52	39.10	
19	39.01	38.65	38.23	38.12	38.22	39.47	39.57	40.07	40.19	39.51	39.07	
20	39.01	38.63	38.23	38.12	38.25	39.48	39.59	40.08	40.16	39.49	39.05	
21	39.01	38.61	38.23	38.12	38.26	39.48	39.59	40.09	40.14	39.48	39.03	
22	39.01	38.60	38.23	38.12	38.28	39.49	39.40	40.10	40.11	39.47	39.01	
23	39.00	38.40	38.22	38.12	38.30	39.49	39.42	40.12	40.08	39.45	38.99	
24	39.00	38.49	38.22	38.12	38.32	39.49	39.43	40.13	40.06	39.44	38.97	
25	38.99	38.39	38.22	38.12	38.33	39.49	39.44	40.15	40.03	39.43	38.94	
26	38.99	38.37	38.21	38.12	38.35	39.48	39.46	40.16	40.01	39.41	38.91	
27	38.98	38.37	38.21	38.12	38.36	39.47	39.47	40.18	39.99	39.40	38.81	
28	38.97	38.36	38.20	38.13	38.38	39.46	39.48	40.20	39.97	39.39	38.81	
29	38.96		38.20	38.13	38.40	39.46	39.49	40.22	39.93	39.38	38.79	

Gre-3. U. S. Geol. Survey. Eutaw at sewage pumping plant on Roberts St. SE¼SE¼ sec. 33, T. 22 N., R. 2 E. Drilled observation artesian well in sand of Eutaw formation, diameter 4 to 2 inches, depth 407 feet, cased to 407, screen at 395-407. Land-surface datum is 172.14 feet above msl. Measuring point is top of 4-inch casing, 1.00 foot above lsd. Highest water level 35.94 Apr. 2, 1953; lowest 40.31 Sept. 11-13, 1957; records available 1952-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		38.27			37.84	37.96	38.39	38.30	38.50	38.58	38.59	38.57
2		38.27			37.84	37.98	38.40	38.30	38.51	38.58	38.59	38.56
3		38.27			37.84	38.02	38.41	38.30	38.52	38.57	38.59	38.56
4		38.26			37.84	38.06	38.42	38.30	38.53	38.57	38.59	38.55
5		38.26			37.83	38.10	38.43	38.30	38.54	38.56	38.58	38.54
6	38.45	38.26			37.82	38.13	38.44	38.30	38.55	38.56	38.58	38.54
7	38.45	38.25			37.82	38.16	38.45	38.30	38.56	38.56	38.58	38.54
8	38.44	38.24			37.81	38.19	38.45	38.31	38.57	38.54	38.58	38.53
9	38.43	38.23			37.80	38.21	38.45	38.32	38.57	38.54	38.58	38.53
10	38.43	38.23			37.80	38.24	38.45	38.33	38.59	38.54	38.58	38.53
11	38.43	38.22			37.79	38.27	38.44	38.33	38.60	38.54	38.58	38.52
12	38.42	38.21			37.79	38.28	38.43	[illegible].34	38.61	38.54	38.58	38.52
13	38.42	38.21			37.78	38.33	38.43	38.35	38.61	38.54	38.59	38.51
14	38.42	38.20			37.78	38.36	38.43	38.36	38.61	38.54	38.59	38.51
15	38.42	38.20		37.85	37.78	38.39	38.40	38.36	38.61	38.55	38.59	38.51
16	38.41			37.85	37.78	38.40	38.40	38.37	38.62	38.55	38.59	38.50
17	38.40			37.85	37.78	38.40	38.39	38.37	38.62	38.55	38.59	38.50
18	38.40			37.85	37.78	38.40	38.38	38.38	38.62	38.55	38.59	38.50
19	38.39			37.83	37.79	38.40	38.37	38.39	38.62	38.55	38.59	38.50
20	38.39			37.83	37.79	38.40	38.37	38.41	38.61	38.55	38.59	38.49
21				37.83	37.79	38.40	38.37	38.43	38.61	38.56	38.59	38.49
22				37.83	37.79	38.39	38.36	38.44	38.60	38.56	38.59	38.50
23				37.83	37.79	38.38	38.35	38.45	38.59	38.57	38.59	38.50
24				37.84	37.79	38.40	38.35	38.46	38.59	38.57	38.58	38.50
25				37.85	37.80	38.40	38.34	38.46	38.59	38.58	38.58	38.50
26				37.85	37.80	38.40	38.34	38.46	38.59	38.58	38.58	38.50
27				37.85	37.81	38.40	38.33	38.47	38.59	38.58	38.58	38.49
28				37.85	37.85	38.39	38.32	38.47	38.59	38.58	38.58	38.49
29				37.85	37.88	38.39	38.31	38.48	38.58	38.58	38.58	38.49
30				37.85	37.87	38.39	38.31	38.49	38.58	38.59	38.57	38.48
31					37.93		38.30	38.50		38.59		38.47

Jackson County, Ala., 1957

Jac-1. Tennessee Valley Authority well 28. Scottsboro. SE¼NW¼ sec. 29, T. 4 S., R. 6 E. Drilled unused water-table well in Fort Payne chert, diameter 8 inches, depth 16 feet. Measuring point is top of 8-inch galvanized-iron casing which is 1.00 foot above land-surface datum. Land-surface datum is 641.88 feet above msl. Dry Sept. 28, 1937; July 31-Sept. 14, Sept. 21-28, Oct. 21, Nov. 3-17, 1944; Oct. 5-Nov. 3, 1947; Sept. 26-Nov. 1, 1948; Oct. 4, Nov. 22, 1954; Sept. 29-Oct. 20, 1956. Highest water level 0.4 Jan. 31, 1957; records available 1936-41, 1943-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			4.5	5.6	8.4	7.6	8.5	10.6	12.5	4.6	8.4	4.9
2			3.6	5.8	8.6	7.8	8.6	10.7	12.6	5.1	8.5	5.2
3	h6.1		3.8	5.8	8.7	7.9	8.8	10.8	12.7	4.9	8.4	5.2
4			4.0	5.8	8.9	8.2	8.8	10.9	12.8	4.2	8.0	5.3
5			4.1	3.2	9.0	8.5	9.0	10.9	12.9	4.9	8.0	5.4
6			4.2	3.7	9.2	8.7	9.0	11.0	12.9	5.6	8.1	5.5
7		h2.2		4.1	9.3	8.8	9.2	11.0	13.0	6.1	8.2	5.5
8				4.5	9.4	8.5	9.4	11.1	13.1	6.5	8.1	3.1
9				4.7	9.6	8.5	9.5	11.1	13.2	6.8	5.6	3.0
10	h5.4			4.9	9.6	7.6	9.7	10.9	h13.2	7.1	5.9	3.6
11	5.4			5.1	7.4	7.8	9.8	10.9		7.9	6.1	4.2
12	5.3			5.3	7.8	7.9	9.4	11.0		7.5	6.3	4.6
13	5.2		4.5	5.5	8.0	8.2	9.5	11.0		7.5	6.4	4.9
14	5.1	h4.8	4.6	5.7	8.2	8.4	9.5	11.0		7.9	6.4	5.1
15	4.9	5.0	4.8	5.9	8.2	8.5	9.5	11.1	10.8	8.0	4.2	5.2
16	4.8	4.8	4.8	6.1	6.9	8.6	8.2	11.5	9.5	8.1	3.2	4.9
17	h4.8	4.8	4.8	6.3	7.2	8.8	8.9	11.6	8.0	8.0	3.0	4.9
18		4.9	4.9	6.5	7.4	8.9	9.2	11.6	8.8	6.0	2.0	5.0
19		4.9	4.6	6.6	7.6	9.0	9.9	11.6	8.9	6.4	2.6	5.1
20		4.4	4.7	6.8	7.9	9.2	10.0	11.7	8.6	6.7	3.8	4.2
21		4.6	4.8	6.8	8.1	9.4	10.0	11.7	8.9	7.0	4.1	3.7
22		4.9	5.0	6.8	8.3	9.6	10.0	h11.7	9.1	7.1	3.5	4.1
23		5.0	5.1	7.0	8.6	9.6	10.1		9.3	7.2	3.5	4.5
24	4.8	5.1	5.1	7.1	8.6	9.6	10.1		9.4	7.4	2.1	4.7
25	4.7	5.2	4.7	7.3	6.6	9.7	10.1		9.5	7.5	2.8	4.8
26	4.1	4.7	4.7	7.5	6.7	9.8	10.2		9.6	7.7	3.0	4.7
27	4.2	4.4	4.9	7.7	6.9	9.9	10.3		9.7	8.0	3.6	4.4
28	3.8	4.4	5.1	7.9	7.1	9.9	10.3		9.8	8.1	4.0	4.6

Jac-1. Tennessee Valley Authority well 28. Scottsboro. SE¼NW¼ sec. 29, T. 4 S., R. 6 E. Drilled unused water-table well in Fort Payne chert, diameter 8 inches, depth 16 feet. Land-surface datum is 641.88 feet above msl. Measuring point is top of 8-inch galvanized-iron casing, 1.00 foot above lsd. Dry Sept. 28, 1937; July 31-Sept. 14, Sept. 21-28, Oct. 21, Nov. 3-17, 1944; Oct. 5-Nov. 3, 1947; Sept. 26-Nov. 1, 1948; Oct. 4, Nov. 22, 1954; Sept. 29-Oct. 20, 1956. Highest water level 0.4 Jan. 31, 1957; records available 1936-41, 1943-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.3	5.6	4.9		4.1		10.9	8.8			13.42	9.36
2	5.4	5.7	5.0	5.7	4.6		10.9	8.8			13.32	9.50
3	5.6	5.8	5.3	5.9	4.9		10.9	8.9			13.22	9.57
4	5.8	5.9	5.5	5.9	5.1		10.9	9.1			13.15	9.62
5	5.9	5.9	5.7	6.0	5.1		10.9	9.2			13.10	9.72
6	5.9	4.4	5.9	5.5	4.6		10.9	9.4			13.06	9.85
7	6.1	3.4	5.9	5.2	4.4		10.9	9.5	13.29		13.02	9.96
8	6.3	4.1	5.8	5.5	4.8			9.5	13.18		12.98	10.04
9	6.5	4.4	5.7	5.7	4.8	e10.1		9.6	13.16		12.97	10.12
10	6.6	4.7	5.7	5.7	4.7		8.4	9.7	13.15		12.96	10.20
11	6.7	5.0	5.8	5.6	4.9		8.9		13.16		12.96	10.26
12	6.7	5.2	5.9	5.8	5.1		9.0		13.20		12.97	10.28
13	6.7	5.5	5.8	5.9	5.4		7.0		13.24		12.98	10.30
14	5.6	5.6	4.5	6.1			7.2		13.27		13.02	10.32
15	5.3	5.7	4.8	6.2			7.9		13.31		13.03	10.34
16	5.4		5.1	6.3		e10.5	8.3		13.32		13.04	10.36
17	5.5		5.2	6.4			8.6		13.31		13.04	10.38
18	5.7		4.5	6.5			8.9		13.31		13.04	10.40
19	5.8		4.6	6.6			9.0	10.1	13.32		13.04	10.42
20	6.6		4.9	6.6			9.1	10.2	13.32		13.01	10.44
21	6.7		5.2	6.6			9.2	10.2	13.33		13.00	10.46
22	6.8		5.4	5.9			7.0	10.2	13.35		12.97	10.48
23	6.9		5.6	6.0		e10.7	7.4	10.3	13.37		12.96	10.49
24	6.9	5.2	5.6	6.3			7.4	9.6	13.38		12.96	10.49
25	4.6	5.4	5.4	6.2			6.2	9.6	13.40		12.96	10.49
26	4.5	5.5	4.7				7.1		13.40		12.96	10.49
27	4.8	5.5	4.5				7.6		13.41		12.96	10.49
28	5.0	4.7	4.8				8.0		13.41			8.78
29	5.2		5.0				8.3		13.42			8.94
30	5.4		5.3	3.6		10.9	8.6			13.41		9.09
31	5.4		5.5				8.7			13.42		9.31

e Estimated

Jefferson County, Ala., 1957

Jef-1. U. S. Geol. Survey. Birmingham. Songo Test Well No. 2. SE¼SW¼ sec. 29, T. 18 S., R. 3 W. Drilled observation artesian well in Bangor limestone, diameter 6 inches, depth 140 feet, cased to 68, open hole. Measuring point is top of 6-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 641.94 feet above msl. Highest water level 37.9 Apr. 8, 1957; lowest 83.04 Dec. 27-28, 1954; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	e66.1	58.4	47.8	41.0	39.5	44.1	47.8	50.2	53.8	53.4	51.8	44.2
2	66.0	54.4	47.6	40.9	39.6	44.3	47.8	50.3	53.9	52.7	51.9	43.9
3	65.9	53.5	47.3	40.6	39.8	44.4	47.7	50.3	54.0	52.3	52.1	43.8
4	65.7	52.0	46.9	40.0	40.2	44.5	47.7	50.5	54.2	51.9	52.2	43.9
5	65.4	51.3	47.0	38.5	40.5	44.7	47.8	50.6	54.3	51.5	52.4	43.9
6	65.0	50.5	46.8	38.5	40.7	44.8	47.9	50.8	54.4	51.1	52.4	43.8
7	64.5	50.0	46.7	38.4	40.8	44.9	48.0	50.9	54.5	50.6	52.5	43.6
8	64.1	49.8	46.8	38.3	40.9	45.0	48.1	51.0	54.6	50.4	52.8	43.3
9	63.7	49.4	46.7	38.3	41.0	45.2	e48.1	51.0	e54.7	50.2	52.9	42.9
10	63.6	49.2	46.7	38.1	41.1	45.4	e48.2	51.2	e54.8	50.1	52.9	42.5
11	63.4	49.2	46.5	38.1	41.2	45.5	48.2	51.3	e54.9	50.0	52.9	42.5
12	63.0	49.2	46.4	38.3	41.4	45.6	48.3	51.4	e54.0	50.1	52.8	42.5
13	62.7	49.1	46.1	38.5	41.5	45.7	48.4	5 .5	e54.2	50.1	52.8	42.3
14	62.6	48.9	45.7	38.7	41.6	46.0	48.5	51.6	e54.3	50.2	51.4	42.3
15	63.3	48.9	45.5	38.8	41.7	46.2	48.6	51.7	e54.4	50.1	50.3	42.3
16	63.4	49.1	45.3	38.8	41.9	46.3	48.7	51.8	55.5	50.1	49.8	42.3
17	63.3		45.0	38.9	42.0	46.4	48.8	51.9	55.5	50.2	49.4	42.1
18	63.4	48.1	44.5	38.9	42.1	46.5	48.9	52.0	55.5	50.3	48.8	42.1
19	63.2	48.1	44.6	38.7	42.2	46.6	49.0	52.2	55.6	50.5	48.3	42.1
20	63.1	48.3	44.7	38.6	42.4	46.7	49.1	52.3	55.5	50.6	48.0	41.8
21	63.0	48.4	44.6	38.6	42.6	46.8	49.2	52.5	55.4	50.7	47.7	41.2
22	62.8	48.5	44.3	38.5	42.8	47.1	49.3	52.5	55.4	50.7	47.3	40.9
23	63.0	48.6	44.3	38.5	43.0	47.1	49.3	52.6	55.4	50.6	46.5	40.6
24	63.0	48.5	44.0	38.5	43.1	47.2	49.4	52.7	55.4	50.8	46.0	40.4
25	62.8	48.3	43.0	38.6	43.2	47.3	49.5	52.9	55.5	51.0	45.4	40.0
26	62.1	48.1	42.7	38.8	43.3	47.4	49.6	53.1	55.5	51.3	45.1	39.9
27	61.0	48.1	42.7	38.9	43.5	47.4	49.7	53.2	55.5	51.4	44.7	39.9
28	60.1	47.9	42.5	39.0	43.7	47.6	49.8	53.3	55.6	51.4	44.3	39.8
29	59.3		42.2	39.2	43.8	47.7	49.8	53.5	55.5	51.4	44.1	39.9

Jef-1. U.S. Geol. Survey. Birmingham. SE¼SW¼ sec. 29, T. 18 S., R. 3 W. Drilled observation artesian well in Bangor limestone, diameter 6 inches, depth 140 feet, cased to 68, open hole. Land-surface datum is 641.94 feet above msl. Measuring point is top of 6-inch casing, 1.00 foot above land-surface datum. Highest water level 28.9 May 6, 1958; lowest 83.04 Dec. 27-28, 1954; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		39.3	34.3					41.2		46.4		49.3
2		39.3	34.2					40.8		46.2		49.1
3		39.4	34.0					40.4		46.1		48.6
4			34.1					40.2		45.9		48.4
5			34.1			35.3		40.3		45.9		48.5
6			34.0		h28.97	35.4		40.3		45.9		48.6
7			34.0			35.7		e40.5		45.9		48.4
8		36.8	33.8			35.9		e40.6		45.9		48.0
9		36.7	e33.3			36.1		e40.7		46.0		
10		36.5	e33.1			36.4		e40.8		46.2		
11		36.1	e32.9					e41.0		46.3		
12		36.1	32.7					e41.1		46.4		
13		36.1	32.3					e41.2		46.5		
14		36.1	32.3					e4..3		46.5		
15	41.7	35.7	32.3					e41.5		46.5		
16	41.9	35.7	32.2					e41.6		46.6		
17	42.0	35.6	32.1					e41.6		46.7		
18	42.2	35.4	31.9			41.2				46.8		
19	42.4	35.2	31.9			41.3				46.9		
20	42.2	35.3	31.9			41.4				47.1		
21	42.0	35.3	31.8			41.6				47.2		
22	42.1	35.1	31.8			41.7						
23	42.6	35.0	31.8			41.8						
24	41.5	35.0				e42.0						
25	40.8	35.0				e42.1						
26	40.1	35.0				e42.2		45.9				
27	40.0	34.6				42.1		46.0				
28	39.8	34.3				42.0		46.1				
29	39.6					41.9		46.2				
30	39.5					41.8		46.3				
31	39.3					41.6						48.1

e Estimated h Tape measurement

Table 1. --Well descriptions and water-level measurements--Continued

Lawrence County, Ala., 1957

Law-1. City of Moulton. East side of Hospital. NE¼NE¼ sec. 32, T. 6 S., R. 7 W. Drilled unused artesian well in Bangor limestone and Hartselle sandstone, diameter 6 inches, depth 260 feet, cased to 20, open hole. Measuring point is top of 6-inch casing which is 0.40 foot above land-surface datum. Highest water level 11.01 Nov. 19, 1957; lowest 20.52 Jan. 16-18, 1956; records available 1955-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			14.52	14.74		17.01	16.55	19.06	19.71	15.74	15.97	12.89
2			14.53	14.77		17.05	16.41	19.08	19.75	15.69	16.05	13.08
3			14.54	14.72		17.06	16.42	19.08	19.88	15.61	16.09	13.29
4	h14.60	h11.57	14.64	14.58		17.09	16.49	19.04	20.03	15.40	16.13	13.58
5		11.85	14.72	13.89	15.65	17.06	16.56	19.12	20.08	15.36	16.23	13.78
6			14.66	14.00	15.81	17.06	16.68	19.29	20.11	15.38	16.29	13.85
7			14.28	14.06	15.89	16.65	16.79	19.40	20.14	15.49	16.23	13.84
8			13.55	13.97	15.95	16.56	16.87	19.44	20.21	15.60	15.90	13.12
9			13.30	13.89	15.99	16.65	16.99	19.46	19.53	15.68	15.14	12.66
10			13.37	13.96	16.11	16.26	17.10	19.57	19.06	15.78	15.02	12.32
11			13.56	14.02	16.20	16.10	17.13	19.72	19.04	15.90	15.03	12.60
12			13.62	14.18	16.12	16.09	17.17	19.72	18.93	16.05	15.04	12.75
13			13.75		16.21	16.14	17.21	19.88	18.65	16.10	14.98	12.90
14			13.92		16.28	16.27	17.27	20.07	18.41	16.19	14.62	13.15
15			14.00		16.28	16.40	17.30	20.09	18.03	16.23	13.56	13.29
16			14.26		16.40	16.48	17.25	20.19	16.88	16.28	13.08	13.43
17			14.34		17.09	16.48	17.25	20.28	16.83	16.12	12.19	13.57
18			14.38			16.46	17.28	19.24	16.97	16.14	11.50	13.72
19			14.49			16.48	17.32	19.15	16.90	16.26	11.39	13.64
20			14.62			16.71	17.42	19.14	16.70	16.37	11.72	13.65
21			14.59			16.99	17.57	19.12	16.63	16.43	12.03	13.77
22			14.56			16.21	17.59	19.21	16.61	16.43	12.03	13.71
23			14.64			16.37	17.60	19.20	16.69	16.37	12.04	13.88
24			14.64			16.30	17.52	19.23	16.74	16.00	12.04	13.80
25			14.43			16.23	17.80	19.23	16.75	15.89	11.75	13.80
26			14.75			16.23	18.12	19.28	16.79	15.98	11.69	13.82
27			14.82			16.23	18.31	19.30	16.81	16.02	11.87	13.83
28			14.83			17.05	18.52	19.35	16.84	16.02	12.09	13.96
29			14.84			16.89	18.74	19.45	16.25	15.98	12.32	14.10
30			14.88			16.84	18.93	19.52	15.88	15.96	12.74	14.20

Law-1. City of Moulton. East side of Hospital. NE¼NE¼ sec. 32, T. 6 S., R. 7 W. Drilled unused artesian well in Bangor limestone and Hartselle sandstone, diameter 6 inches, depth 260 feet, cased to 20, open hole. Measuring point is top of 6-inch casing, 0.40 foot above land-surface datum. Highest water level 11.01 Nov. 19, 1957; lowest 20.52 Jan. 16-18, 1956; records available 1955-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		14.09	13.10	13.68	12.52	15.83	17.06	15.14	16.37	14.65	16.21	13.50
2	13.43	14.21	13.27	13.77	12.67	15.85	17.10	15.20	16.46	14.72	15.87	13.52
3	13.52		13.46	13.83	12.84	15.92	17.14	15.32	16.50	14.75	15.88	13.63
4	13.62		13.52	13.75	13.05	16.02	17.17	15.47	16.57	14.79	15.86	13.84
5	13.63		13.77	13.81	12.82	16.05	17.21	15.60	16.64	14.81	15.84	14.21
6	13.59		13.87	13.62	12.90	16.07	17.17	15.72	16.73	14.92	15.89	14.43
7	13.65		13.89	13.80	13.02	16.13	17.16	15.80	16.87	15.03	15.99	14.40
8	13.68		13.96	13.83	13.21	16.22	16.91	15.91	16.96	15.14	16.01	14.56
9	13.76		13.95	13.83	13.27	16.29	15.93	16.06	17.04	15.23	16.09	14.70
10	13.77	13.42	14.05	13.67	13.34	16.38	15.96	16.19	17.09	15.32	16.23	14.70
11	13.81	13.57	14.17	13.61	13.32	16.50	15.87	16.23	17.15	15.51	16.26	14.74
12	13.87	13.76	14.24	13.72	13.45	16.61	15.89	16.28	16.73	15.65	16.30	14.90
13	13.78	13.91	14.15	13.77	13.62	16.68	15.57	16.16	16.57	15.73	16.29	15.04
14	13.84	13.92	14.16	13.83	13.73		15.60	16.18	16.64	15.81	16.28	15.07
15	13.90	13.95	14.17	13.71	13.79	16.77	15.71	16.10	16.70	15.88	16.20	15.09
16	13.97	14.05	14.22	13.41	13.93	16.72	15.82	16.06	16.72	15.88	16.12	15.08
17	14.06	14.14	14.21	13.38	14.11	16.76	15.87	16.14	16.75	15.89	16.00	15.12
18	14.12	14.22	14.05	13.44	14.31	16.81	15.97	16.23	16.72	15.89	15.97	15.20
19	14.07	14.31	14.03	13.57	14.44	16.82	16.07	16.27	16.67	15.92	15.57	15.17
20	14.03	14.40	14.03		14.59	16.91	16.15	16.39	16.61	15.96	15.08	15.26
21	13.90	14.38	14.03	13.62	14.71	16.94	16.14	16.46	15.80	15.98	14.92	15.31
22	13.94	14.22	14.15	13.09	14.81	16.92	16.02	16.50	13.10	16.04	15.18	15.31
23	13.95	13.61	14.21	13.14	14.91	16.94	16.03	16.56	13.14	16.11	15.20	15.31
24	13.85	13.15	14.13	13.35	15.03	17.03	16.04	16.12	13.43	16.20	15.32	15.34
25	13.66	13.14	14.04	13.23	15.07	17.15	15.69	15.80	13.70	16.25	15.32	15.39
26	13.18	13.14	13.94	12.78	15.13	17.14	14.92	15.82	13.94	16.30	15.41	15.39
27	13.40	13.03	13.50	12.47	15.23	16.89	14.91	15.92	14.18	16.36	15.43	
28	13.56	12.93	13.25	12.57	15.41	16.89	15.06	16.00	14.40	16.42	15.40	
29	13.70		13.30	12.55	15.59	16.95	15.23	16.11	14.55	16.50	14.28	15.22
30	13.87		13.40	12.45	15.67	17.01	15.37	16.22	14.65	16.65	13.63	15.26
31	13.85		13.57		15.75		15.11	16.29		16.64		15.13

Table 1.--Well descriptions and water-level measurements--Continued

Macon County, Ala., 1957

Mac-1. Tuskegee Institute. NE¼ sec. 26, T. 17 N., R. 23 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 18 to 8 inches, depth 355 feet, cased to 355, screen at 315-355. Measuring point is top of 18-inch casing which is 0.75 foot above land-surface datum. Land-surface datum is 436.47 feet above msl. Water level affected by pumping of nearby wells. Highest water level 54.57 Nov. 30, 1957; lowest 94.15 Jan. 1-2, 1951; records available 1948-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	69.63	69.30	69.11	68.73	68.31	68.00	67.50	e67.32	67.92	67.99	56.09	64.65
2	69.70	69.35	69.13	68.63	68.25	67.98	67.30		67.89	67.65	56.01	66.61
3	69.73	69.30	69.08	68.60	68.15	67.97	67.34		67.82	67.60	55.95	67.89
4	69.68	69.29	68.97	68.54	67.99	67.97	67.35		67.85	67.61	55.90	68.97
5	69.55	69.18	68.96	68.48	68.20	67.95	67.30	h67.22	67.86	67.63	55.86	69.62
6	69.56	69.20	68.97	68.47	68.21	67.95	67.35		67.86	67.63	55.82	69.99
7	69.54	69.20	68.94	68.49	68.26	67.95	67.45		67.85	67.62	55.81	70.22
8	69.54	69.18	68.95	68.48	68.25	67.92	67.45		67.82	67.84	55.71	70.43
9	69.42	69.16	68.95	68.54	68.20	68.04	67.32		67.83	67.63	55.69	70.78
10	69.54	69.08	69.01	68.56	68.15	68.02	67.28		67.90	67.63	55.70	71.04
11	69.59	69.20	69.00	68.57	68.03	68.05	67.27		67.91	67.66	55.71	71.47
12	69.60	69.26	68.93	68.53	68.02	68.05	67.27		67.89	67.70	55.68	71.72
13	69.52	69.25	68.95	68.49	68.00	68.03	67.28	h67.31	67.87	67.72	55.55	71.82
14	69.43	69.24	68.92	68.52	67.99	68.05	67.30	67.31	67.88	62.46	55.37	71.99
15	69.42	69.22	68.97	68.55	67.99	68.11	67.31	67.34	67.85	60.68	55.23	72.16
16	69.45	69.24	69.01	68.56	67.98	68.12	67.45	67.37	67.80	59.58	55.21	72.46
17	69.58	69.26	68.98	68.53	67.98	68.13	67.38	67.39	67.74	58.44	55.20	72.44
18	68.97	69.23	68.92	68.48	67.95	68.07	67.50	67.39	67.84	58.33	55.15	72.44
19	69.34	69.11	68.80	68.44	67.93	68.07	67.55	67.39	67.84	57.94	54.99	72.35
20	69.41	69.15	68.83	68.44	67.84	68.03	67.52	67.37	67.85	57.83	55.03	72.31
21	69.40	69.20	68.83	68.44	67.87	68.04	67.45	67.43	67.87	57.70	55.05	72.57
22	69.28	69.25	68.73	68.33	67.93	68.10	67.43	67.50	67.86	57.52	55.05	72.61
23	69.36	69.27	68.75	68.38	67.96	68.10	67.38	67.52	67.86	57.32	54.91	72.75
24	69.48	69.25	68.72	68.36	68.00	68.10	67.40	67.56	67.84	56.96	54.87	72.91
25	69.48	69.10	68.65	68.38	68.00	67.92	67.41	67.56	67.85	56.78	54.76	72.83
26	69.44	68.99	68.75	68.39	67.98	67.75	67.50	67.66	67.85	56.64	54.75	72.76
27	69.45	68.98	68.80	68.37	67.95	67.70	67.50	67.79	67.83	56.62	54.76	73.01
28	69.44	69.04	68.84	68.35	67.98	67.65	67.45	67.87	67.74	56.60	54.70	73.37
29	69.40		68.82	68.33	68.01	67.55	67.40	67.89	67.72	56.51	54.65	73.55

Mac-1. Tuskegee Institute. NE¼ sec. 26, T. 17 N., R. 23 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 18 to 8 inches, depth 355 feet, cased to 355, screen at 315-355. Land-surface datum is 436.47 feet above msl. Measuring point is top of 18-inch casing, 0.75 foot above land-surface datum. Water level affected by pumping of nearby wells. Highest water level 54.57 Nov. 30, 1957; lowest 94.15 Jan. 1-2, 1951; records available 1948-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	73.35	75.33	79.12	80.75	79.76	78.99	79.14	78.25	77.78	77.85	78.07	78.31
2	73.91	75.46	79.38	80.78	79.80	78.99	79.10	78.27	77.79	77.93	78.07	78.25
3	73.84	74.58	79.60	80.73	79.81	79.05	78.90	78.25	77.84	77.93	78.12	78.14
4	73.68	74.75	79.73	80.31	79.76	79.17	78.90	78.26	77.87	77.91	78.14	78.00
5	73.84	74.72	79.81	80.31	79.66	79.20	78.90	78.33	77.85	77.86	78.08	78.04
6	73.78	74.52	79.79	80.26	77.95	79.14	78.90	78.37	77.84	77.88	78.03	78.22
7	73.43	74.45	79.31	80.34	78.53	79.15	78.93	78.40	77.80	77.91	78.09	78.24
8	73.64	74.62	79.49	80.43	78.71	79.11	78.95	78.42	77.80	77.92	78.10	78.20
9	73.66	74.70	79.09	80.38	78.83	79.07	78.67	78.45	77.85	77.91	78.04	78.24
10	73.72	74.69	79.48	80.24	78.97	79.06	78.68	78.48	77.87	77.93	78.08	78.25
11	73.33	74.77		80.30	78.97	79.06	78.67	78.37	77.85	78.02	78.18	78.25
12	73.39	75.68	79.78	80.38	78.32	79.10	78.65	78.35	77.84	78.08	78.20	78.15
13	73.31	76.41	79.96	80.42	78.67	79.18	78.37	[illegible]35	77.82	78.12	78.20	78.20
14	73.35	76.57	80.10	80.40	78.85	79.04	78.06	78.37	77.82	78.13	78.18	78.31
15	73.36	76.63	80.15	80.14	78.95	79.05	78.20	78.17	77.83	78.11	78.12	78.34
16	73.74	76.76	80.28	80.19	78.97	79.02	78.26	77.98	77.82	78.03	78.12	78.34
17	73.84	77.60	80.30	80.25	78.98	79.03	78.25	77.19	77.76	78.00	78.12	78.27
18	73.75	78.77	80.23	80.22	79.01	79.03	78.25	77.56	77.75	77.97	78.11	78.20
19	73.64	75.98	80.28	80.19	79.00	79.03	78.07	77.67	77.79	77.97	78.17	78.17
20	73.64	75.76	80.36	80.19	79.00	78.93	78.11	77.70	77.78	78.02	78.21	78.22
21	73.47	75.87	80.46	80.11	79.01	78.91	78.15	77.72	77.72	77.98	78.20	78.27
22	73.56	76.34	80.67	80.03	79.04	78.84	78.19	77.71	77.70	77.99	78.18	78.30
23	73.59	76.74	80.63	79.83	79.04		78.20	77.70	77.72	77.98	78.20	78.27
24	73.46	78.32	80.59	79.75	79.05	78.65	78.21	77.67	77.75	78.00	78.19	78.14
25	73.67	78.94	80.55	79.76	78.80	78.78	78.19	77.64	77.76	78.02	e78.16	78.28
26	73.97	78.99	80.54	79.75	78.78	78.83	78.18		77.74	78.06	78.14	78.30
27	74.02	78.35	80.64	79.71	78.89	78.91	78.25	77.70	77.70	78.10	78.12	78.17
28	74.60	77.98	80.57	79.75	78.95	78.99	78.25	77.72	77.76	78.14	78.09	78.03
29	74.32		80.68	79.74	78.88	79.07		77.74	77.81	78.16	78.23	70.01
30	74.69		80.67	79.79	79.96		78.09	77.77	77.83	78.17	78.30	78.04
31	74.73		80.71		79.98		78.19	77.78		78.17		78.03

e Estimated

Table 1.--Well descriptions and water-level measurements--Continued

Madison County, Ala., 1957

Mad-1. City of Huntsville. Huntsville Junior High School. NW¼SE¼ sec. 36, T. 3 S., R. 1 W. Drilled observation artesian well in Fort Payne chert, diameter 8 inches, depth 140 feet, cased to 69, open hole. Measuring point is top of 8-inch casing which is 0.50 foot above land-surface datum. Land-surface datum is 660.13 feet above msl. Highest water level 49.43 Apr. 9, 1951; lowest 59.75 Dec. 17, 1956; records available 1951-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					53.24			58.47				
2					53.30			58.50				
3					53.40			58.50				
4		h49.81			53.52			58.65				
5					53.60			58.51				
6					53.69			58.53	58.83			
7	54.61				53.77			58.55	58.84	h58.43		
8	54.60				53.82			58.58	58.82			
9	54.53				53.91				58.82			
10	54.60				53.96				58.84			
11	54.59				54.07		56.90		58.81			
12					54.16		56.91					
13		h49.79				55.81	56.92					
14					54.21	55.79	56.94					
15						55.87	57.87					
16						55.91	58.18					
17						55.97	58.18					
18				52.42		56.03	58.14					h53.17
19				52.44		56.09	58.23			54.57		
20		h50.30		52.56		56.27	58.27			54.39		
21				52.61			58.31			54.20		
22				52.65			58.32			54.13		
23				52.66						54.03		
24				52.77						54.03		
25				52.84						53.58		
26				52.88						53.45		
27		h50.56	h51.90	52.94						53.42		
28		h50.54		53.01						53.35		
29				53.09						53.38		
30				53.16						53.53		

Mad-1. City of Huntsville. Huntsville Junior High School. NW¼SE¼ sec. 36, T. 3 S., R. 1 W. Drilled observation artesian well in Fort Payne chert, diameter 8 inches, depth 140 feet, cased to 69, open hole. Land-surface datum is 660.13 feet above msl. Measuring point is top of 8-inch casing, 0.50 foot above land-surface datum. Highest water level 49.43 Apr. 9, 1951; lowest 59.75 Dec. 17, 1956; records available 1951-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			53.8	54.9	53.0	54.2		54.78		57.08	58.07	57.78
2			53.7	e54.6	52.9	54.3		54.78		57.07	58.17	57.70
3	54.5		53.8		52.9	54.4		54.70		57.01	58.23	57.62
4	54.6		53.8		52.9			54.85		57.08	58.25	57.62
5			53.8		52.8			54.95		57.01	58.22	57.71
6			53.9		52.9			55.05		57.16	58.25	57.70
7			53.9		52.8			55.13		57.23	58.25	57.63
8			53.9		52.9			55.23		h57.18	58.27	57.77
9			53.9	e54.8	52.9			55.31			58.25	57.77
10			54.0		52.9			55.42			58.33	57.79
11			54.1		52.8			55.48		57.42	58.36	57.73
12			54.1		52.9			55.65		57.40	58.39	57.90
13			54.2		52.9			55.77		57.52	58.42	57.89
14			54.2		53.0			55.89		57.60	58.42	57.91
15			54.2		53.1			56.00		57.63	58.42	57.97
16			54.2	54.4	53.1			56.07		57.68	58.40	58.00
17			54.3	54.4	53.2			56.07		57.76	58.43	58.09
18				54.2	53.2			56.24		57.80	58.47	58.13
19		54.0	54.4	54.3	53.2			56.37		57.75	58.38	58.16
20		54.1	54.4	54.3	53.4			56.56		57.85	58.34	58.20
21		54.1	54.5	54.2	53.5			56.70		57.90	58.33	58.20
22		54.1	54.5	54.2	53.5			56.83		57.95	58.32	58.20
23		54.1	54.5	54.4	53.6			56.85		58.02	58.28	58.23
24		54.1		54.4	53.7			56.79		58.04	58.34	58.24
25		54.1	e54.2	54.3	53.8			56.91		58.03	58.38	58.15
26		54.1	54.3	54.2	53.9			57.02		57.94	58.40	58.19
27		53.9	54.8	54.0	54.0					58.10	58.34	58.20
28	54.9	53.9	54.8	53.8	54.0					58.12	58.26	58.17
29	54.9		54.8	53.7	54.0					58.15	58.01	58.24
30	54.8		54.8		54.0		54.70			58.17	57.84	58.25
31			54.8		54.1		54.73			58.17		58.22

e Estimated h Tape measurement

Table 1.--Well descriptions and water-level measurements--Continued

Marengo County, Ala., 1957

Mag-1. J. C. Webb Compress Co. Demopolis. NW¼SW¼ sec. 24, T. 18 N., R. 2 E. Drilled unused artesian well in sand of Eutaw formation, diameter 4 inches. Measuring point is top of 4-inch casing which is 1.20 feet above land-surface datum. Land-surface datum is 110 feet above msl. Water level affected by pumping of nearby wells. Highest water level 0.15 Feb. 26, 1954; lowest 15.4 Aug. 30, 31, 1957; records available 1953-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.7	5.6		6.7	8.3	10.1	6.1	11.7	15.3	9.5	9.8	e10.2
2	5.7	5.5		6.9	7.5	9.6	6.3	12.4	15.2	9.6	10.3	e10.3
3	5.7			6.8	7.4	9.1	6.3	12.5	14.1	9.8	10.3	10.4
4	5.8			6.4	7.5	9.3	5.9	12.0	14.2	10.0	10.0	10.7
5	5.9			6.3	7.4	9.7	5.9	11.5	14.3	9.9	10.5	10.8
6	5.8			6.4	7.8	9.1	6.0	12.0	14.4	9.7	10.7	11.1
7	5.5			6.2	8.0	9.3	5.4	12.2	14.4	9.2	10.7	11.4
8	5.5			e 6.2	7.5	9.0	5.3	12.2	14.3	9.4	11.1	11.4
9	5.4			e 6.3	7.4	8.3	6.8	e12.4	13.7	9.3	11.2	11.5
10	5.8			e 6.6	7.3	9.1	7.0	e12.5	13.2	9.7	11.1	11.6
11	5.8			7.1	7.4	9.2	7.5	e12.3	13.2	10.0	11.1	11.6
12	5.7			7.1		9.3	9.4	11.6	13.1	10.2	11.2	12.3
13	5.7			e 7.2		10.7	9.1		13.0	10.1	11.5	12.7
14	5.5			e 7.2		10.2	8.9		12.9	9.9	11.3	12.9
15	5.7			7.3		10.0	8.7		12.8	10.0	11.2	12.9
16	5.7			7.4	7.3		10.0		12.2	10.0	10.9	12.8
17				7.4	7.9		9.9		11.8	9.8	10.7	12.8
18				7.9	7.9		9.7		11.7	9.9	10.0	12.7
19				8.0	7.7	10.9	10.7		11.1	9.9	10.1	12.0
20				7.9	7.5	11.1	10.7		11.0	9.7	10.1	11.0
21				7.7	7.7		10.2		11.3	9.4	10.0	10.5
22				7.7	7.8		10.0		11.3	9.4	9.9	9.7
23				8.0	7.7		11.1		10.7	9.5	9.7	8.7
24				e 8.0	7.7		11.0		10.5	9.5	9.5	8.5
25			5.9	e 8.1	8.1	9.9	10.6		e10.5	9.4	9.6	8.0
26			6.3	e 8.3	7.9	9.9	12.1			9.8	10.1	7.6
27			6.6	e 8.4		9.5	12.0			9.5	10.1	7.3
28			6.8	e 8.5		7.6	11.4		10.3	9.5	10.0	8.1
29			7.1	8.6		8.0	11.0		10.1	9.4	e10.0	8.4
30	6.0		7.3	8.6		7.8	11.2	15.4				

Mag-1. J. C. Webb Compress Co. Demopolis. NW¼SW¼ sec. 24, T. 18 N., R. 2 E. Drilled unused artesian well in sand of Eutaw formation, diameter 4 inches. Land-surface datum is 110 feet above msl. Measuring point is top of 4-inch casing, 1.20 feet above land-surface datum. Water level affected by pumping of nearby wells. Highest water level 0.15 Feb. 26, 1954; lowest 21.2 Dec. 30, 1958; records available 1953-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		e12.1		11.4	e 9.5		14.1	13.3	14.1			11.4
2	9.9	e12.2		11.6	9.7		15.2		14.5			11.3
3	10.5	12.0		11.7	10.1				14.6			11.3
4	10.9	12.2	13.4	12.0	10.1				15.1			11.2
5	10.9	12.3	13.3	12.0	9.9				15.7			10.9
6	11.0	12.3	13.0	11.9	10.0	h10.7			15.7			
7	11.2	11.9	12.8	12.0	10.3							
8	12.0	12.0	12.8	12.1	10.6							
9	12.6	12.0	12.5	12.1	10.9							
10	12.9	11.7	12.1	12.1	e11.0							
11	12.8	11.9	12.2	12.5	e11.1							
12	12.7	12.2	12.1	12.7	11.2			14.0				
13	12.1	12.8	13.1	12.6	11.4			13.3				
14	12.2	13.1	13.1	12.4	11.4			13.7				
15	12.1	12.9	12.9	12.6	11.3			14.2				
16	12.2	12.8	12.5	13.0	11.2							
17	12.2		12.3	12.9	11.1	11.3						
18	12.3		12.3	12.9		10.5						
19	12.2		12.3	13.4		10.8				12.3		
20	11.8		12.3	13.4		10.9				12.0		
21	11.8		12.3	12.9		11.0				11.7		
22	11.9		12.4	12.4		11.8				11.3		
23	11.8		12.4	12.2		12.1				11.0		
24	11.8		12.0			12.5		14.5	h14.7	11.1	h15.2	
25	11.8		12.0	11.6		13.0	14.3	13.1		10.9	17.1	
26	11.7		11.9	11.1		13.5	14.3			10.8	18.0	
27	11.6		11.5	10.7		13.4		12.4		10.7	18.9	
28	11.8		11.4	9.8		13.9	14.5	13.3		10.9	20.0	
29	11.9		11.4	9.4		14.4	14.2	13.8		11.1	21.1	
30	12.0		11.3	e 9.3		13.0	13.5	14.2		11.1	21.2	
31	11.9		11.2				13.5	14.2				

e Estimated h Tape measurement

Marengo County, Ala., 1957

Mag-2. Thomaston Prison. SE¼NE¼ sec. 24, T. 15 N., R. 4 E. Drilled unused artesian well in sand of Eutaw formation, diameter 4 inches, depth 1,224 feet, cased to 20, screen at 1,202-1,222. Measuring point is top of 4-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 154 feet above msl. Highest water level 7.83 Mar. 30, 1954; lowest 11.29 Aug. 30, 1957; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.65	10.47	10.52	10.38	10.44	10.63	10.65	10.81	11.19	10.68	10.88	10.87
2	10.69	10.48	10.54	10.42	10.40	10.62	10.65	10.80	11.16	10.69	10.93	10.87
3	10.66	10.42	10.47	10.42	10.32	10.65	10.62	10.80	11.20	10.66	10.98	10.84
4	10.56	10.43	10.46	10.36	10.49	10.60	10.63	10.80	11.24	10.68	10.97	10.93
5	10.58	10.45	10.48	10.39	10.51	10.64	10.65	10.81	11.25	10.72	10.95	10.95
6	10.58	10.45	10.49	10.44	10.54	10.59	10.68	10.81	11.25	10.72	11.00	10.92
7	10.58		10.47	10.46	10.54	10.58	10.74	10.87	11.24	10.71	11.00	10.80
8	10.57		10.53	10.47	10.52	10.58	10.76	10.88	11.22	10.73	10.97	10.80
9	10.54		10.52	10.50	10.49	10.62	10.77	10.84	11.24	10.73	11.13	10.82
10	10.68		10.55	10.44	10.41	10.62	10.77	10.83	11.20	10.76	11.14	10.79
11	10.67		10.52	10.42	10.40	10.57	10.77	10.90	11.16	10.79	11.10	10.87
12	10.58		10.55	10.45	10.40	10.57	10.78	10.95	11.16	10.84	11.09	10.89
13	10.54		10.55	10.53	10.42	10.66	10.81	10.97	11.16	10.84	11.00	10.83
14	10.56		10.55	10.54	10.46	10.77	10.85	10.96	11.10	10.84	10.84	10.89
15	10.60		10.58	10.53	10.45	10.77	10.86	10.98	10.92	10.80	10.88	10.92
16	10.63		10.59	10.51	10.47	10.77	10.89	10.98	10.94	10.77	10.96	10.91
17	10.68		10.57	10.42	10.46	10.78	10.87	10.95		10.79	10.97	10.90
18	10.78		10.47	10.42	10.41	10.76	10.85	10.95		10.83	10.87	10.87
19	10.78		10.49	10.44	10.40	10.76	10.83	10.97		10.88		10.83
20	10.71		10.53	10.46	10.43	10.80	10.85	11.02		10.85		
21	10.68		10.48	10.50	10.44		10.84	11.07		10.86		
22	10.64		10.40	10.44	10.45		10.85	11.12		10.94		
23	10.67		10.44	10.43	10.51		10.85	11.10		10.83		
24	10.62		10.35	10.48	10.54		10.85	11.11		10.80		
25	10.58		10.44	10.52	10.57		10.82	11.11		10.84		
26	10.55		10.54	10.53	10.61		10.82	11.16		10.94		
27	10.55		10.55	10.51	10.64		10.84	11.19		11.00		
28	10.50		10.62	10.40	10.69		10.82	11.25		11.01		
29	10.52		10.55	10.46	10.68		10.89	11.27		10.97		
30	10.50		10.55	10.49	10.73		10.76	11.29	10.66	10.87		

Mag-2. Thomaston Prison. SE¼NE¼ sec. 24, T. 15 N., R. 4 E. Drilled unused artesian well in sand of Eutaw formation, diameter 4 inches, depth 1,224 feet, cased to 20, screen at 1,202-1,222. Land-surface datum is 154 feet above msl. Measuring point is top of 4-inch casing, 1.00 foot above land-surface datum. Highest water level 7.83 May 30, 1954; lowest 11.29 Aug. 30, 1957; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		10.86		11.07				10.66	10.29	10.45	10.10	10.02
2	10.94	10.89		11.07				10.72	10.28	10.29	10.13	10.10
3	10.94	10.93	11.07	10.97				10.69	10.24	10.36	10.10	10.17
4	11.04	10.94	11.10	10.91				10.66	10.22	10.37	10.13	10.19
5	11.06	10.89	11.08	10.88				10.62	10.23	10.35	10.15	10.19
6	11.00	10.70	11.02	10.90				10.56	10.24	10.33	10.15	10.05
7	10.90	10.83	10.86	10.97				10.53	10.22	10.30	10.12	10.09
8	10.98	10.90	10.90	10.99				10.53	10.20	10.30	10.15	10.13
9	10.98	10.92	10.98	10.96				10.49	10.19	10.30	10.16	10.09
10	11.00	10.91	11.02	10.89				10.44	10.19	10.28	10.11	10.23
11	11.03	10.91	11.03	10.97				10.42	10.18	10.22	10.05	10.18
12	11.04	10.98	11.02	11.05				10.43	10.25	10.19	10.04	10.18
13	10.95	10.98	10.99	11.09				10.41	10.33	10.18	10.05	10.18
14	10.98	10.94	11.06	11.09				10.40	10.29	10.17	10.08	10.07
15	10.97	10.95	11.08	11.08				10.38	10.25	10.21	10.06	10.01
16	11.00	11.06	11.09					10.44	10.26	10.21	10.07	10.02
17	10.99	11.09	11.00					10.46	10.29	10.20	10.03	10.04
18	11.00	11.13	10.97					10.44	10.28	10.22	10.03	10.04
19	10.98	11.13	11.01					10.43	10.31	10.22	9.97	10.09
20	10.92	11.22	11.03					10.39	10.34	10.22	9.98	10.08
21	10.76	11.22	10.99					10.38	10.45	10.20	10.00	10.02
22	10.81	11.11	11.02					10.36	10.37	10.19	10.02	
23	10.80	11.04	10.98					10.43	10.34	10.18	10.02	10.22
24	10.73	11.08	10.94			10.65		10.44		10.15	10.02	10.13
25	10.73	11.08	10.96			10.66		10.53	10.33	10.14	10.06	10.01
26	10.75	10.97	10.93			10.72		10.50	10.36	10.11	10.07	10.04
27	10.77					10.66		10.49	10.36	10.09	10.03	10.17
28	10.80		10.97			10.64		10.49	10.32	10.06	10.26	10.11
29	10.81		10.96			10.65		10.44	10.34	10.07	9.99	10.10
30	10.83		10.97			10.76		10.40	10.39	10.06	9.99	10.11
31	10.80		11.01			10.69		10.32		10.29		10.21

Table 1. --Well descriptions and water-level measurements--Continued

Marengo County, Ala., 1957

Mag-3. U.S. Geol. Survey. NE¼SE¼ sec. 29, T. 16 N., R. 3 E. Drilled observation artesian flowing well in sand of Eutaw formation, diameter 5 to 2½ inches, depth 1,332 feet, cased to 147 and 899-1,332, perforations at 1,280-1,320. Measuring point is top of ¼-inch pipe which is 2.55 feet above land-surface datum and 1.55 feet above top of 5-inch casing. Land-surface datum is 95 feet above msl. Highest water level +67.0 Feb. 16, 1957; lowest +59.6 Sept. 9, 17, 23, 24, Oct. 1, 15, 24, 1956; records available 1955-57. Daily lowest water level above land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		64.7	64.7	65.8	65.3	65.3	64.7	64.7	64.7	64.7	64.7	65.3
2		64.7	64.7	65.8	65.8	65.3		64.7	64.7	64.7	64.7	65.3
3		65.3	65.3	65.8	65.8	65.3		64.7		65.3	64.7	65.3
4		65.3		65.8	65.8	65.3		64.7		65.3	64.7	65.8
5		64.7		65.8		65.8		64.7		65.3	64.7	65.8
6		65.3	65.3	65.8		65.8				e65.0	e64.7	65.8
7		65.8	65.3	65.3	65.3	65.3		64.7		64.7	64.7	65.8
8		65.8	64.7	65.3	65.3	65.3		64.7		64.7	64.7	65.8
9		65.8	64.7	65.8	65.3	64.7		64.7		64.7	64.7	65.8
10		65.8	65.3	65.8	64.7	65.3		64.7		64.7	64.7	65.8
11		65.3	65.3	65.3	64.7			64.7		64.7	64.7	65.8
12		65.3	65.3	65.3	65.3	65.8		64.7		64.7	64.7	
13		65.8	65.8	64.7	65.3	65.8		64.7	64.7	64.7	65.3	
14	64.7	65.8	65.8	65.3	65.3	65.3		63.5	64.7	65.3	65.3	
15	64.7	65.8	65.3	65.3	65.8	65.3		63.5	65.3	65.8	65.3	
16		67.0	64.7	65.3	65.3	64.7		64.7	64.7	65.3	65.3	65.3
17		65.8	65.3	65.3	65.3	65.3		63.5	65.3	65.3	65.3	65.3
18		65.8	65.3	65.3	65.3	65.3	62.4	63.5	65.3	64.7	65.3	65.3
19		65.8	64.7	e65.4	65.8	65.3	63.5	63.5	64.7	64.7	65.3	65.3
20		65.3	65.3	e65.4	65.3	65.3	64.7	63.5	65.3	64.7	65.3	65.3
21		65.3	65.3	e65.6	e65.5	65.3	64.7	63.5	65.3	64.7	65.3	65.3
22		e65.6	65.3	65.8	e65.6	65.3	64.7	63.5	65.3		65.0	65.3
23	64.7	e65.4	65.8	65.3	65.8	65.3	64.7		65.3	64.7	65.3	
24	64.7	e65.3	65.8	65.8	65.3	64.7	64.7		64.7	64.7	65.3	
25	64.7	65.3	65.3	65.8	65.3	65.3	64.7		64.7	64.7	65.3	
26	64.7	64.7	e65.6	65.3	65.8	65.3	64.7			64.7	65.3	
27	64.7	65.3	e65.8	65.3	65.3	65.3	64.7			64.7	65.3	
28	64.7	65.3	e65.4	65.8	65.3	64.7	64.7			64.7	65.3	
29	64.7		65.3	65.3	65.3	65.3	64.7			64.7	65.3	

Table 1. --Well descriptions and water-level measurements--Continued

Marengo County, Ala., 1958

Mag-3. U.S. Geol. Survey. NE¼SE¼ sec. 29, T. 16 N., R. 3 E. Drilled
)servation artesian flowing well in sand of Eutaw formation, diameter 5 to 2½ inches,
:pth 1,332 feet, cased to 147 and 899-1,332, perforations 1,280-1,320. Land-
irface datum is 95 feet above msl. Measuring point is top of ¼-inch pipe, 2.55 feet
)ove land-surface datum. Records available 1955-58. Water level daily lowest
)ove land-surface datum.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
.n. 6	64.7	Mar. 14	65.4	June 24	65.2	Sept. 24	64.7
eb. 1	64.8	24	65.2	Aug. 25	64.8	Nov. 19	64.5
27	65.1	May 25	65.1				

Table 1. --Well descriptions and water-level measurements--Continued

Marengo County, Ala., 1958

Mag-4. U.S. Geol. Survey. SW¼NE¼ sec. 4, T. 15 N., R. 3 E. Drilled observation artesian well in sand of Ripley formation, diameter 4 to 2 inches, depth 207 feet, cased to 123, screen at 123-129. Land-surface datum is 164 feet above msl. Measuring point is top of 4-inch casing, 1.00 foot above land-surface datum. Highest water level 36.91 June 22, 1958; lowest 42.49 June 3, 1955; records available 1956-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					37.58	37.18	37.10	37.06	37.12	37.33		
2					37.55	37.17	37.07	37.03	37.10	37.36		
3					37.54	37.26	37.03	36.92	37.17	37.35		
4					37.46	37.33	36.97	36.95	37.18	37.32		
5					37.33	37.35	37.00	37.01	37.15	37.28		37.28
6					37.35	37.20	37.01	37.04	37.11	37.27		37.52
7					37.37	37.14	37.03	37.03	37.12	37.31		37.61
8					37.37	37.15	37.04	37.03	37.17	37.29		37.58
9					37.37	37.17	37.10	37.05	37.16	37.26		37.46
10					37.37	37.12	37.10	37.08	37.10	37.43		37.53
11					37.37	37.14	37.05	37.05	37.09	37.51		37.54
12					37.36	37.13	37.00	36.98	37.06	37.50		37.44
13					37.43	37.11	37.00	36.97	37.17	37.53		37.49
14					37.53	37.10	37.05	37.02	37.10	37.50		37.56
15					37.49	37.07	37.08	37.04	37.19	37.43		37.62
16					37.38	37.02	37.08	37.00	37.19	37.32		37.63
17					37.27	37.09	37.05	36.96	37.16	37.31		37.58
18					37.25	37.10	37.01	36.96	37.17	37.29		37.49
19					37.24	37.11	36.97	37.03	37.16	37.23		37.48
20					37.25	37.09	36.92	37.07	37.14	37.28		37.46
21					37.24	37.05	36.95	37.05	37.12	37.33		37.57
22					37.24		37.00	37.04	37.17			37.58
23					37.21		37.10	37.02	37.20			37.56
24					37.21	37.04	36.99	36.99	37.26			37.55
25			37.71		37.19	37.08	36.95	36.96	37.24			37.57
26			37.66		37.13	37.11	36.96	37.01	37.22			37.55
27			37.54		37.19	37.14	37.06		37.17			37.50
28			37.51		37.20	37.18	37.06	37.04	37.26			37.49
29			37.61		37.24	37.10	37.05	37.09	37.23			37.53
30			37.63		37.22	37.13	36.99	37.14	37.21			37.55

Mar-1. M. M. Burleson. Guin. NW¼SE¼ sec. 32, T. 12 S., R. 13 W. Drilled unused artesian well in sandstone of Pottsville formation, diameter 6 inches, depth 520 feet, cased to 80, open hole. Measuring point is top of 6-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 452 feet above msl. Highest water level 6.24 Jan. 4, 1957; lowest 11.76 Nov. 10, 1954; records available 1952-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			7.44	7.16	e7.55	7.88	7.94	8.35	8.90	8.81	8.86	7.60
2			7.42	7.21	e7.54	7.88	7.89	8.37	8.89	8.82	8.91	7.55
3			7.33	7.16	e7.53	7.93	7.87	8.39	8.90	8.70	8.93	7.64
4	h6.24		7.34	7.06	7.53	7.94	7.86	8.40	8.93	8.71	8.92	7.66
5			7.38	7.07	7.66	7.79	7.87	8.45	8.96	8.73	8.95	7.66
6			7.33	7.10	7.72	7.74	7.92	8.49	8.96	8.70	8.95	7.61
7			7.33	7.06	7.77	7.75	7.96	8.54	8.96	8.73	8.85	7.50
8		7.58	7.35	7.18	7.78	7.74	7.99	8.55	8.95	8.75	8.79	7.41
9		7.56	7.35	7.20	7.76	7.88	8.01	8.52	9.01	8.77	8.77	7.38
10		7.61	7.35	7.14	7.75	7.85	8.04	8.50	9.04	8.79	8.72	7.31
11		7.70	7.27	7.12	7.75	7.86	8.04	8.54	9.02	8.83	8.67	7.41
12		7.68	7.29	7.21	7.77	7.86	8.06	8.58	8.97	8.85	8.58	7.41
13		7.69	7.22	7.27	7.82	7.85	8.08	8.57	8.97	8.86	8.35	7.36
14		7.69	7.33	7.30	7.82	7.94	8.12	8.57	.92	8.84	8.25	7.39
15		7.69	7.35	7.30	7.84	7.95	8.12	8.63	8.90	8.83	8.24	7.39
16		7.74	7.33	7.28	7.86	7.99	8.11	8.65	8.91	8.81	8.22	7.39
17		7.73	7.23	7.29	7.88	8.00	8.12	8.65	8.95	8.83	8.20	7.36
18		7.66	7.21	7.33	7.89	7.99	8.14	8.64	8.96	8.86	7.91	7.33
19		7.64	7.33	7.37	7.80	7.95	8.19	8.68	8.89	8.90	7.87	7.32
20		7.66	7.33	7.38	7.64	7.99	8.20	8.74	8.94	8.95	7.88	7.29
21		7.65	7.19	7.39	7.63	8.07	8.21	8.78	8.96	8.96	7.90	7.30
22		7.69	7.27	7.40	7.65	8.07	8.23	8.81	8.96	8.93	7.90	7.24
23		7.69	7.26	7.43	7.72	8.06	8.25	8.80	8.98	8.80	7.69	7.22
24		7.62	7.23	7.48	7.76	8.02	8.25	8.76	8.98	8.82	7.66	7.19
25		7.48	7.30	7.52	7.77	8.04	8.29	8.80	8.97	8.85	7.57	7.10
26		7.38	7.40	7.51	7.76	8.05	8.32	8.84	8.98	8.83	7.55	7.13
27		7.43	7.38	7.54	7.76	8.05	8.32	8.83	8.97	8.84	7.52	7.12
28		7.45	7.39	7.56	7.81	7.99	8.32	8.86	8.93	8.85	7.47	7.16
29			7.33	7.56	7.84	7.99	8.29	8.88	8.85	8.89	7.62	7.20
30			7.31	7.56	7.88	7.95	8.30	8.89	8.83	8.81	7.67	7.21
31			7.32		7.89		8.34	8.90		8.85		7.31

e Estimated h Tape measurement

Marion County, Ala., 1958

Mar-1. M. M. Burleson. Guin. NW¼SE¼ sec. 32, T. 12 S., R. 13 W. Drilled unused artesian well in sandstone of Pottsville formation, diameter 6 inches, depth 520 feet, cased to 80, open hole. Land-surface datum is 452 feet above msl. Measuring point is top of 6-inch casing, 1.00 foot above land-surface datum. Highest water level 5.90 May 5, 1958; lowest 11.76 Nov. 10, 1954; records available 1952-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		7.38	7.07		6.29	6.70		7.19	7.84	7.55	7.95	7.84
2		7.47	7.00		6.29	6.75		7.18	7.87	7.53	8.02	7.77
3		7.48	7.03		6.28	6.79		7.20	7.92	7.52	8.05	7.67
4		7.44	7.07		6.25	6.87		7.27	7.91	7.51	8.06	7.66
5		7.32	7.06		6.01	6.85		7.31	7.91	7.56	8.01	7.90
6		7.14	7.02		5.97	6.82		7.34	7.93	7.55	8.09	7.99
7		7.20	6.97		5.98	6.83		7.37	7.91	7.60	8.12	7.94
8		7.19	6.97			6.88		7.40	8.00	7.61	8.07	7.89
9		7.15	6.96		5.99	6.90		7.45	8.00	7.62	8.10	7.98
10	7.40	7.04	e6.95		6.01	6.93		7.49	7.99	7.74	8.21	7.96
11	7.40	7.00	6.95		6.03	6.99		7.50	8.00	7.79	8.20	7.91
12	7.43	7.06	6.94		6.08	7.02		7.48	7.98	7.80	8.20	7.99
13	7.35	7.10	6.85		6.12	7.04		7.51	8.00	7.81	8.18	8.05
14	7.42	7.07	6.86		6.18	7.07		7.56	..01	7.81	8.16	8.08
15	7.45	7.10	6.85		6.19		7.30	7.58	8.04	7.80	8.09	8.08
16	7.47	7.16	6.81		6.17		7.31		8.03	7.78	8.09	8.03
17	7.49	7.18	6.75		6.18		7.32	7.54	8.03	7.80	8.06	7.97
18	7.53	7.15	6.81		6.22		7.33	7.58	7.99	7.80	8.08	7.99
19	7.50	7.15	6.83		6.26		7.32	7.63	8.00	7.81	8.05	7.98
20	7.42	7.18	6.84		6.31		7.33	7.64	7.90	7.85	7.98	8.13
21	7.35	7.13		6.64	6.33		7.32	7.66	7.76	7.90	7.92	8.12
22	7.47	7.00		6.64	6.33		7.27	7.66	7.53	7.90	7.91	8.10
23	7.43	6.93		6.64	6.35		7.22	7.67	7.48	7.95	7.93	8.01
24	7.30	6.90		6.74	6.38		7.17	7.64	7.47	7.97	7.95	8.13
25	7.25	6.91		6.74	6.40		7.10	7.70	7.47	7.97	7.95	
26	7.25	6.83		6.64	6.46		7.05	7.73	7.46	8.01	8.02	
27	7.28	6.85		6.48	6.51		7.08	7.75	7.49	8.04	8.02	
28	7.28	7.03		6.41	6.57		7.10	7.76	7.51	8.04	7.99	
29	7.26			6.36	6.64		7.09	7.80	7.50	8.07	7.99	8.11
30	7.25			6.36	6.65		7.10	7.82	7.52	8.06	7.93	8.08

Mob-1. Courtaulds, Inc. Salco. Test well 9. NW¼SE¼ sec. 7, T. 1 S., R. 1 E. Drilled unused water-table well in sand and gravel of Pliocene(?) and Miocene age, diameter 12 to 8 inches, depth 123 feet, cased to 123, screen at 105-123. Measuring point is top of 12-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 43.1 feet above msl. Water level affected by pumping of nearby wells. Highest water level 38.50 Sept. 22, 1954; lowest 47.00 Oct. 19, 1957; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.6		42.70	42.92				43.42			45.51	44.72
2	42.6		42.70	42.89				43.52			45.62	44.72
3	42.6		42.69	42.89	h42.75			43.63			45.73	44.71
4	42.6		42.64	42.88				43.74		h46.00	45.83	44.67
5	42.6			42.87			h44.2	43.85			45.86	44.68
6	42.6	42.70		42.85				43.92			45.84	44.68
7	42.6	42.83		42.85		h42.7		43.96	h45.00		45.76	44.65
8	42.6	42.92	h42.6	42.84				44.04			45.61	44.62
9	42.6	42.92		42.82							45.51	44.60
10	42.6	42.91		42.82	h42.75						45.46	44.61
11	42.7	42.89		42.81						h46.50	45.40	44.60
12	42.7	42.88					h43.1				45.32	44.63
13	42.7	42.85							h45.60		45.20	44.63
14	42.7	42.82									45.08	44.62
15	42.7	42.75	42.78								44.99	44.62
16	42.6	42.75	42.78			h43.0		h44.20			44.95	44.61
17	42.7	42.73	42.79								44.93	44.60
18	42.9	42.70	42.79		h42.75						44.91	44.58
19	42.9	42.82	42.77	h42.75			h44.4			h47.00	44.85	44.55
20	42.8	42.88	42.76						h46.00		44.85	44.53
21	42.8					h44.5					44.86	44.57
22	42.8	42.95	42.70								44.86	44.59
23	42.9	42.94	42.75					h45.00			44.82	44.60
24	42.9	42.91	42.77	h42.75	h42.6						44.78	44.61
25	42.7	42.85	42.80	e42.77						h46.00	44.75	44.61
26	42.7	42.77	42.85	h42.8			h43.3				44.74	44.57
27	42.7	42.70	42.90			h44.8			h45.00		44.74	44.56
28	42.6	42.70	42.94								44.72	44.55
29	42.6		42.95								44.69	44.54
30	42.6		42.95					h44.03			44.69	44.55
31	42.6		42.94		h42.7							44.56

e Estimated h Tape measurement

Table 1. --Well descriptions and water-level measurements--Continued

Mobile County, Ala., 1958

Mob-1. Courtaulds, Inc. Salco. NW¼SE¼ sec. 7, T. 1 S., R. 1 E. Drilled unused water-table well in sand and gravel of Pliocene(?) and Miocene age, diameter 12 to 8 inches, depth 123 feet, cased to 123, screen at 105-123. Land-surface datum is 43.1 feet above msl. Measuring point is top of 12-inch casing, 1.00 foot above land-surface datum. Water level affected by pumping of nearby wells. Highest water level 38.50 Sept. 22, 1954; lowest 47.00 Oct. 19, 1957; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.59	44.44	44.22	43.94	43.16	42.99	43.16	43.45	44.21	44.23	44.14	44.70
2	44.61	44.46	44.23	43.91	43.16	42.99	43.16	43.46	44.14	44.23	44.12	44.74
3	44.62	44.50	44.24	43.86	43.16	42.98	43.16	43.46	44.10	44.22	44.12	44.73
4	44.63	44.51	44.26	43.78	43.15	42.98	43.15	43.46	44.10	44.20	44.14	44.65
5	44.64	44.51	44.26	43.72	43.14	42.99	43.14	43.47	44.08	44.17	44.18	44.58
6	44.63	44.46	44.26	43.67	43.10	42.98	43.14	43.52	44.04	44.14	44.19	44.55
7	44.57	44.41	44.26	43.63	43.10	42.96	43.15	43.63	44.00	44.16	44.19	44.54
8	44.51	44.45	44.18	43.63	43.10	42.95	43.16	43.75	43.99	44.23	44.19	44.50
9	44.53	44.47	44.13	43.62	43.10	42.95	43.17	43.88	43.97	44.24	44.17	44.43
10	44.54	44.47	44.12	43.57	43.09	42.99	43.18	44.01	43.96	44.29	44.14	44.40
11	44.53	44.45	44.13	43.53	43.09	43.08	43.18	44.42	43.94	44.24	44.15	44.35
12	44.51	44.42	44.19	43.54	43.09	43.10	43.18	44.23	43.93	44.53	44.15	44.30
13	44.49	44.42	44.34	43.54	43.08	43.11	43.17	44.32	43.92	44.60	44.15	44.27
14	44.45	44.42	44.45	43.53	43.08	43.11	43.18	44.44	43.92	44.60	44.13	44.26
15	44.45	44.33	44.46	43.48	43.11	43.10	43.19	44.53	43.93	44.59	44.11	44.26
16	44.47	44.35	44.45	43.39	43.19	43.09	43.19	44.60	43.97	44.52	44.11	44.25
17	44.49	44.39	44.42	43.38	43.19	43.08	43.20	44.67	43.99	44.50	44.11	44.21
18	44.51	44.41	44.47	43.38	43.19	43.08	43.20	44.72	44.00	44.45	44.14	44.17
19	44.52	44.42	44.57	43.35	43.17	43.08	43.20	44.72	44.00	44.39	44.30	44.14
20	44.52	44.42	44.64	43.32	43.15	43.08	43.21	44.66	44.00	44.32	44.46	44.11
21	44.50	44.42	44.64	43.29	43.13	43.08	43.22	44.58	44.00	44.28	44.57	44.11
22	44.47	44.41	44.59	43.24	43.11	43.08	43.23	44.58	44.00	44.27	44.68	44.11
23	44.48	44.36	44.52	43.21		43.08	43.25	44.57	44.01	44.24	44.79	44.07
24	44.47	44.30	44.41	43.21	43.06	43.08	43.25	44.50	44.03	44.22	44.82	44.03
25	44.44	44.26	44.28	43.21	43.05	43.10	43.27	44.39	44.17	44.21	44.82	44.04
26	44.43	44.23	44.21	43.21	43.03	43.12	43.28	44.29	44.26	44.19	44.77	44.04
27	44.45	44.15	44.14	43.20	43.02	43.13	43.30	44.20	44.26	44.17	44.71	44.03
28	44.47	44.18	44.13	43.18	43.02	43.14	43.32	44.18	44.26	44.18	44.66	44.00
29	44.48		44.10	43.16	43.01	43.14	43.32	44.25	44.26	44.18	44.66	44.00

Mon-3. U.S. Geol. Survey. Monroeville Am. Legion Club. NE¼NW¼ sec. 2, T. 6 N., R. 7 E. Drilled observation artesian well in sand and gravel of Miocene and Pliocene age and limestone of Eocene and Oligocene age, diameter 6 inches, depth 128 feet, cased to 88, open hole. Measuring point is top of 6-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 408 feet above msl. Highest water level 59.14 July 24, 1957; lowest 65.54 March 7 and 15, 1956; records available 1953-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.15	62.48	62.37	62.51	61.14	59.74	59.40	59.17	59.52	59.85	60.14	60.10
2	63.15	62.47	62.35	62.52	61.10	59.71	59.38	59.17	59.53	59.85	60.16	60.05
3	63.13	62.46	62.33	62.51	61.05	59.68	59.38	59.18	e59.54	59.87	60.19	59.99
4	63.12	62.46	62.34	62.49	61.00	59.66	59.36	59.19	e59.56	59.89	60.20	59.97
5	63.12	62.44	62.36	62.46	60.97	59.64	59.34	59.19	59.57	59.89	60.20	59.96
6	63.10	62.44	62.37	62.42	60.96	59.62	59.32	59.22	59.57	59.89	60.22	59.92
7	63.07	62.42	62.37	62.34	60.93	59.60	59.31	59.24	59.58	59.89	60.22	59.87
8	63.04	62.40	62.38	62.25	60.88	59.75	59.30	59.25	59.61	59.89	60.27	59.84
9	63.01	62.39	62.38	62.20	60.78	59.55	59.29	59.24	59.64	59.89	60.28	59.84
10	63.02	62.40	62.38	62.17	60.71	59.57	59.26	59.24	59.66	59.90	60.30	59.82
11	62.99	62.39	62.38	62.07	60.65	59.53	59.25	59.25	59.66	59.92	60.30	59.81
12	62.94	62.37	62.39	62.02	60.61	59.51	59.23	59.26	59.78	59.94	60.30	59.77
13	62.91	62.36	62.39	62.00	60.57	59.49	59.23	59.27	59.70	59.95	60.30	59.75
14	62.88	62.36	62.45	61.98	60.50	59.48	59.22	59.28	59.70	59.95	60.32	59.74
15	62.84	62.38	62.45	61.94	60.44	59.51	59.21	59.30	59.70	59.95	60.33	59.72
16	62.84	62.36	62.43	61.89	60.41	59.52	59.20	59.30	59.74	59.95	60.34	59.60
17	62.84	62.34	62.42	61.82	60.54	59.50	59.20	59.30	59.75	59.96	60.34	59.67
18	62.84	62.36	62.41	61.80	60.21	59.49	59.19	59.31	59.77	59.98	60.35	59.64
19	62.79	62.35	62.44	e61.78	60.16	59.47	59.18	59.35	59.79	60.00	60.36	59.67
20	62.75	62.36	62.44	e61.76	60.13	59.46	59.18	59.37	59.80	60.02	60.36	59.70
21	62.70	62.36	62.42	61.75	60.10	59.46	59.17	59.38	59.80	60.02	60.36	59.68
22	62.71	62.35	62.45	61.71	60.06	59.48	59.17	59.38	59.81	60.02	60.32	59.66
23	62.69	62.36	62.48	61.67	60.03	59.46	59.17	59.38	59.82	60.02	60.20	59.64
24	62.63	62.34	62.47	61.60	59.99	59.44	59.16	59.40	59.83	60.03	60.25	59.62
25	62.56	62.31	62.48	61.52	59.95	59.43	59.17	59.43	59.83	60.07	60.24	59.61
26	62.56	62.32	62.48	61.47	59.90	59.43	59.17	59.43	59.83	60.10	60.20	59.59
27	62.55	62.33	62.51	61.38	59.88	59.42	59.17	59.44	59.85	60.11	60.14	59.58
28	62.53	62.35	62.51	61.31	59.86	59.44	59.16	59.47	59.85	60.12	60.13	59.58
29	62.51		62.51	61.26	59.83	59.44	59.15	59.49	59.86	60.12	60.08	59.61
30	62.51		62.50	61.20	59.80	59.43	59.16	59.51	59.85	60.13	60.12	e59.61
31	62.49		62.51		59.77		59.17	59.51		60.14		e59.62

e Estimated

Monroe County, Ala., 1958

Mon-3. U.S. Geol. Survey. Monroeville Am. Legion Club. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 2, T. 6 N., R. 7 E. Drilled observation artesian well in sand and gravel of Miocene and Pliocene age and limestone of Eocene and Oligocene age, diameter 6 inches, depth 128 feet, cased to 88, open hole. Land-surface datum is 408 feet above msl. Measuring point is top of 6-inch casing, 1.00 foot above land-surface datum. Highest water level 58.93 May 4, 1958; lowest 65.54 Mar. 7 and 15, 1956; records available 1953-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.64	59.72	59.59		59.03	59.07		59.82	60.16	60.73	61.26	61.89
2	59.63	59.72	59.53		59.01	59.08		59.82	60.18	60.75	61.29	61.89
3	59.63	59.75	59.54		59.01	59.12		59.82	60.20	60.75	61.30	61.91
4	59.63	59.75	59.56		59.02	59.13		59.83	60.21	60.77	61.33	61.93
5	59.63	59.71	59.53		58.97	59.14		59.84	60.21	60.78	61.34	61.99
6	59.57	59.67	59.50		58.97	59.12		59.85	60.24	60.79	61.37	62.01
7	59.61	59.74	59.49		58.98	59.15		59.86	60.25	60.81	61.39	62.03
8	59.62	59.76	59.49		58.98	59.15		59.86	60.26	60.82	61.39	62.06
9	59.60	59.77	59.51		58.99	59.16		59.89	60.27	60.87	61.42	62.08
10	59.58	59.71	59.51		59.01	59.18		59.89	60.28	60.89	61.45	62.09
11	59.57	59.67	59.48		58.99	59.18		59.89	60.30	60.90	61.45	62.10
12	59.59	59.67	59.46		58.99	59.20		59.92	60.33	60.92	61.48	62.14
13	59.59	59.67	59.48		59.03	59.20		59.93	60.34	60.93	61.49	62.16
14	59.57	59.65	59.47		59.03	59.20		59.95	60.38	60.95	61.53	62.18
15	59.62	59.67	59.45		59.02	59.23		59.95	60.38	60.96	61.55	62.20
16	59.61	59.68	59.42		59.00	59.24		59.95	60.39	60.98	61.56	62.21
17	59.63	59.65	59.43		58.99	59.25		59.96	60.43	60.99	61.57	62.23
18	59.63	59.64	59.43		58.98	59.27		59.93	60.43	61.01	61.61	62.25
19	59.63	59.63	59.41		59.00	59.29		59.93	60.44	61.04	61.62	62.30
20	59.58	59.62	59.39		59.01	59.29		59.96	60.47	61.06	61.67	62.32
21	59.63	59.59	59.38		58.99	59.29		60.00	60.50	61.07	61.68	62.33
22	59.62	59.56	59.36		58.99			60.03	60.52	61.07	61.71	62.34
23	59.63	59.54	59.33		58.99			60.03	60.54	61.11	61.72	62.35
24	59.63	59.53	59.31		59.00		59.70	60.05	60.59	61.13	61.75	62.41
25	59.64	59.51	59.31	59.05	58.99		59.76	60.06	60.61	61.14	61.76	62.42
26	59.67	59.50	59.31	59.05	59.00		59.77	60.08	60.63	61.16	61.79	62.43
27	59.67	59.55		59.02	59.02		59.80	60.08	60.66	61.18	61.81	62.46
28	59.65	59.57		59.02	59.03		59.79	60.10	60.67	61.20	61.86	62.48
29	59.67			59.05	59.04		59.79	60.13	60.67	61.23	61.87	62.50

Table 1. --Well descriptions and water-level measurements--Continued

Montgomery County, Ala., 1957

Mtg-1. City of Montgomery well 15A. Court and Chandler Sts. Drilled unused esian well in sand of Tuscaloosa group, diameter 8 inches, depth 674 feet. Measuring nt is top of 8-inch casing which is 1.50 feet above land-surface datum. Land-surface um is 164.50 feet above msl. Water level affected by pumping of nearby wells. hest water level 102.9 Mar. 14, 1951; lowest 162.2 Aug. 9, 1956; records available 0-41, 1946-57. Water level below land-surface datum.

ıte	Water level	Date	Water level	Date	Water level	Date	Water level

measurements made in 1957

Table 1. --Well descriptions and water-level measurements--Continued

Montgomery County, Ala., 1958

Mtg-1. City of Montgomery well 15A. Court and Chandler Sts. Drilled unus artesian well in sand of Tuscaloosa group, diameter 8 inches, depth 674 feet. Land-surface is 164.50 feet above msl. Measuring point is top of 8-inch casing, 1.30 feet above land-surface datum. (Since Jan. 5, 1958) Water level affected by pumping of nearby wells. Highest water level 102.9 Mar. 14, 1951; lowest 162.2 Aug. 9, 1956; records available 1940-41, 1946-58. Water level below land-surface datum.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	139.47	Apr. 23	142.85	July 24	151.69	Oct. 20	155.04
25	139.52	May 20	154.60	Sept.22	155.13		
Mar. 25	136.49	June 23	155.15				

Mtg-2. City of Montgomery well 37. Hunter Loop Road. NW¼NW¼ sec. 20, T. 16 N., R. 17 E. Drilled unused artesian well in sands of Eutaw formation and Tuscaloosa group, diameter 18 to 10 inches, depth 680 feet, cased to 670, screen at 208-218, 232-242, 330-350, 376-386, 403-418, 605-620, 650-670. Measuring point is top of 18-inch casing which is 1.20 feet above land-surface datum. Land-surface datum is 161.5 feet above msl. Water level affected by pumping of nearby wells. Highest water level 67.1 Apr. 27, 1952; lowest 128.1 Oct. 2-3, 1955; records available 1951-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	87.0	85.5	81.8	81.4	84.0	94.0	97.6	103.3	101.6	96.5	92.6	92.4
2	86.7	85.6	81.8	81.3	84.3	94.2	97.7	104.2	101.6		92.9	93.5
3	86.8	85.1	81.7	81.6	84.5	94.8	97.4	104.9	102.4		92.9	94.0
4	86.9	84.2	81.6	81.9	83.9	95.4	96.5	104.9	103.9		92.0	94.5
5	86.6	83.9	81.5	83.3	83.0	94.9	95.9	104.8	104.9	96.0	91.4	95.3
6	86.4	84.2	81.4	84.0	82.6	94.9	96.9	104.1	105.1	95.8	91.3	95.9
7	86.2	84.5	81.3	84.2	83.2	95.2	97.8	104.2	105.2	95.6	91.2	96.0
8	86.4	84.9	81.3	84.3	83.7	95.5	98.8	104.5	105.2		90.9	95.8
9	86.4	85.0	81.1	84.1	84.9	95.3	99.8	104.7	104.2		89.9	94.3
10	86.0	84.8	81.1	83.6	84.7	97.2	100.7	105.0	101.8		89.1	92.0
11	86.0	84.7	80.9	82.9	84.1	97.3	101.3	105.6	100.9		88.3	90.6
12	86.0	84.7	80.8	82.3	83.3	97.6	102.2	105.9	100.3		87.8	89.8
13	86.0	84.6	80.6	81.4	83.6	98.6	102.9	106.5	100.3		87.6	89.5
14	86.6	84.4	80.6	80.7	84.5	99.1	103.1	107.5	100.5		87.4	88.9
15	86.7	84.5	80.6	80.1	84.8	99.6	102.9	107.9	100.4		87.2	88.3
16	86.6	84.3	80.5	80.0	85.5	99.8	101.2	108.0	100.1		87.5	87.1
17	86.0	84.1	80.4	78.8	85.5	99.9	102.4	108.1	100.5		87.5	87.1
18	86.4	83.9	80.4	78.6	86.8	100.1	103.4	108.0	100.6		87.6	86.9
19	86.4	83.4	80.2	78.7	85.0	101.1	103.4	106.9	100.9		87.7	86.9
20	86.3	83.1	79.9	79.0	87.9	101.4	102.2	105.8	101.1		88.4	86.0
21	86.0	82.9	79.7	78.5	88.5	101.6	100.4	105.7	100.9		88.4	86.1
22	86.1	82.7	79.7	78.0	89.9	101.8	98.7	105.8	100.9		88.3	86.6
23	86.0	82.6	79.6	78.2	90.7	101.9	99.1	105.5	100.2		88.1	88.5
24	86.0	82.4	79.5	78.3	91.5	101.3	100.7	105.0	100.2		88.0	89.3
25	85.7	82.2	79.4	79.7	91.1	100.2	102.3	105.1	100.0		89.7	89.8
26	85.5	82.0	79.7	80.8	91.5	98.7	103.1	104.6	100.0		91.1	90.9
27	85.3	81.9	80.3	81.9	91.7	98.8	103.2	103.6	99.7		92.0	91.1
28	85.3	81.8	81.9	82.3	92.0	98.8	102.8	103.9	98.8	93.2	92.1	91.3
29	85.5		81.3	82.6	92.3	98.4	102.7	104.0	97.9	93.3	92.2	90.5
30	85.5		81.4	83.6	93.0	98.1	102.5	103.0	96.8	93.2	92.3	88.7
31	85.6		81.4		93.4		102.7	101.8		92.6		

Montgomery County, Ala., 1958

Mtg-2. City of Montgomery well 37. NW¼NW¼ sec. 20, T. 16 N., R. 17 E. Drilled unused artesian well in sands of Eutaw formation and Tuscaloosa group, diameter 18 to 10 inches, depth 680 feet, cased to 670, screen at 208-218, 232-242, 330-350, 376-386, 403-418, 605-620, 650-670. Land-surface datum is 161.5 feet above msl. Measuring point is top of 18-inch casing, 1.20 feet above land-surface datum. Water level affected by pumping of nearby wells. Highest water level 67.1 Apr. 27, 1952; lowest 128.1 Oct. 2-3, 1955; records available 1951-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	91.1	93.0	90.2	85.3	92.1	88.8	101.8	98.1	97.8	92.7	80.0	82.5
2	91.5	93.1	89.5	85.3	92.4	91.1	102.8	98.3	98.3	92.3	79.4	82.5
3	91.6	93.7	89.0	85.6	92.3	93.0	103.7	97.8	99.6	91.0	80.6	82.6
4	91.7	94.1	89.0	85.7	91.6	94.8	104.0	96.7	100.2	90.1	81.2	83.1
5	90.3	94.1	89.0	86.0	90.8	96.8	104.0	97.3	100.9	88.7	82.0	83.3
6	88.2	93.9	88.7	86.0	91.0	98.7	103.7	97.5	101.4	87.8	83.0	83.5
7	87.3	93.2	87.8	86.1	91.2	99.8	104.5	96.0	101.8	87.6	83.4	83.4
8	87.3	94.0	86.7	88.0	91.9	100.4	105.3	97.0	102.0	87.5	83.5	83.3
9	87.6	94.1	86.0	88.6	92.6	101.2	105.7	97.3	102.8	87.5	83.4	83.5
10	88.2	93.7	85.4	88.0	93.1	102.1	105.9	97.4	103.4	86.9	85.4	83.5
11	89.7	93.9	85.8	89.1	92.7	103.4	105.9	97.5	103.8	86.6	86.2	82.6
12	90.3	93.7	86.2	89.4	91.8	104.7	105.0	98.3	103.8	86.1	86.2	81.5
13	90.6	93.7	86.4	89.0	91.7	105.9	104.2	98.8	102.3	85.6	86.1	81.0
14	91.7	93.8	86.5	88.5	92.3	107.0	101.4	99.1	100.2	85.4	86.2	80.4
15		93.2	86.4	88.7	92.1	107.2	100.9	99.3	98.5	85.2	86.2	79.6
16		91.0	85.2	89.3	91.1	105.8	100.7	99.4	98.5	85.5	86.0	79.8
17		90.9	84.0	90.2	89.5	103.9	100.5	99.5	98.8	85.5	86.0	79.9
18		91.1	82.3	91.8	89.5	102.8	101.1	98.0	98.6	85.4	86.1	79.8
19		92.3	82.1	92.4	89.3	102.4	101.0	97.7	98.0	84.6	86.0	79.8
20		92.6	81.6	92.5	e87.3	102.2	100.0	98.4	97.0	e84.0	85.1	79.8
21		92.8	82.5	92.0	86.3	101.8		99.3	97.5	83.4		79.5
22		92.6	83.1	91.9	85.3	101.2		99.9	96.5	83.1	83.9	79.2
23		91.6	83.7	91.4	84.5	100.4		100.1	95.4	82.9	83.5	79.1
24		91.0	84.4	92.7	83.8	101.5	97.5	100.1	95.4	82.7	83.1	
25		90.7	e84.4	93.6	83.3	101.8	97.1	99.1	94.9	82.4	83.7	78.6
26		90.4	84.4	93.5	84.4	102.3	97.0	98.1	94.9	81.9	83.8	78.1
27		90.5	84.2	92.6	85.1	102.3	91.3	97.1	94.8	81.3	84.0	77.3
28		90.4	84.3	92.2	85.9	101.6	92.0	96.5	94.3	81.2	83.3	76.8
29			84.7	92.1	87.2	100.7	94.5	96.7	93.4	80.7	81.9	76.6

Mtg-3. U.S. Geol. Survey. Montgomery. Lomax School on old Hayneville Road. SE¼SE¼ sec. 21, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Eutaw formation, diameter 6 to 4 inches, depth 271 feet, cased to 271, screen at 210-215, 220-225, 265-270. Measuring point is top of 6-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 167.2 feet above msl. Water level affected by pumping of nearby wells. Highest water level 18.34 May 12, 1957; lowest 31.32 Oct. 1, 1955; records available 1952-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.35	22.80	22.12	21.00	20.59	20.84	21.94	24.26	24.55	22.72	22.30	22.39
2	23.36	22.78	22.12	20.91	20.54	20.96	21.71	24.72	24.40	22.63	22.28	22.32
3	23.34	22.67	22.06	20.81		21.11	21.70	24.83	24.43	22.55	22.31	22.01
4	22.28	22.49	22.01	20.61		21.20	21.71	24.82	24.90	22.53	22.30	21.94
5	23.20	22.29	22.07	20.20		21.27	21.69	24.65	25.30	22.53	22.22	21.96
6	23.22	22.09	21.90	19.65		21.31	21.97	24.67	25.55	22.48	22.19	21.97
7	23.18	22.04	21.96	19.55		21.36	22.10	24.65	25.68	22.41	22.18	21.97
8	23.17	22.06	21.86	19.56		21.41	22.35	24.89	25.68	22.42	22.18	21.88
9	23.14	22.06	21.85	19.60		21.43	22.71	24.91	25.40	22.43	22.18	21.73
10	23.10	22.07	21.80	19.54		21.52	23.07	24.98	24.65	22.46	22.17	21.40
11	23.12	22.15	21.86	19.44	18.49	21.72	23.40		24.12	22.50	22.10	20.95
12	23.10	22.15	21.75	19.37	18.42	21.95	23.62		23.69	22.52	22.05	20.76
13	23.13	22.11	21.70	19.19	18.46	22.27	23.88		23.49	22.52	21.99	20.57
14	23.14	22.08	21.78	19.07	18.56	22.56	23.95		23.51	22.48	21.86	20.39
15	23.14	22.05	21.65	19.05	18.65	22.75	23.86		23.52	22.48	21.89	20.28
16	23.18	22.06	21.63	19.06	18.74	22.80	23.54		23.51	22.59	21.92	20.17
17	23.23	22.06	21.51	19.08	18.82	22.79	23.77		23.52	22.66	21.92	20.00
18	23.27	22.04	21.41	19.10	18.88	22.79	23.94		23.54	22.77	21.83	19.96
19	23.27	22.02	21.41	19.10	18.88	22.97	23.94	25.25	23.56	22.80	21.68	19.90
20	23.26	22.04	21.46	19.13	18.76	23.18	23.61	25.03	23.58	22.90	21.66	19.78
21	23.22	22.10	21.35	19.14	19.00	23.33	23.11	25.22	23.56	22.81	21.65	19.72
22	23.28	22.10	21.34	19.14	19.38	23.55	22.71	25.39	23.55	22.65	21.57	19.76
23	23.22	22.10	21.30	19.21	19.66	23.61	22.92	25.38	23.52	22.53	21.35	19.84
24	23.22	22.09	21.30	19.41	19.85	23.58	23.34	25.09	23.48	22.53	21.26	19.98
25	23.16	21.91	21.33	19.80	20.01	23.15	23.41	24.91	23.46	22.55	21.69	20.05
26	23.15	21.96	21.31	20.11	20.17	22.95	23.40	24.66	23.46	22.58	21.97	20.17
27	23.10	21.98	21.39	20.30	20.21	22.92	23.38	24.61	23.46	22.58	22.14	20.22
28	23.01	22.06	21.28	20.42	20.35	22.90	23.39	24.86	23.31	22.57	22.19	20.27
29	22.95		21.29	20.44	20.47	22.80	23.41	25.04	23.15	22.51	22.22	20.27
30	22.91		21.27	20.57	20.63	22.25	23.72	25.04	22.93	22.49	22.39	20.17
31	22.88		21.27		20.74		24.06	24.79		22.32		

Table 1. --Well descriptions and water-level measurements--Continued

Montgomery County, Ala., 1958

Mtg-3. U.S. Geol. Survey. Montgomery. Lomax School. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 21, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Eutaw formation, diameter 6 to 4 inches, depth 271 feet, cased to 271, screen at 210-215, 220-225, 265-270. Land-surface datum is 167.2 feet above msl. Measuring point is top of 6-inch casing, 1.00 foot above land-surface datum. Water level affected by pumping of nearby wells. Highest water level 15.57 Mar. 25, 1958; lowest 31.32 Oct. 1, 1955; records available 1952-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.07	20.12	19.64	16.65	18.63	18.69	21.66	21.7	23.2	21.9	20.5	21.3
2	20.07	20.11	19.63	16.70	18.69	19.14	21.69	21.7	23.2	21.8	20.4	21.3
3	20.10	20.21	19.55	16.74	18.71	19.71	21.72	21.7	23.5	21.7	20.6	21.3
4	20.11	20.26	19.53	16.84	18.61	20.28	21.73	21.7	23.7	21.5	20.7	21.4
5	20.11	20.26	19.56	16.91	18.42	20.70	21.73	22.0	23.9	21.3	20.9	21.6
6	20.11	20.21	19.52	16.99	18.20	21.08	21.72	22.2	24.0	21.2	21.1	21.6
7	20.04	19.86	19.32	17.06	17.96	21.36	21.71	22.4	24.1	21.1	21.2	21.6
8	20.25	19.65		17.20	17.92	21.40	21.71	22.5	24.1	21.0	21.2	21.6
9	20.38	19.50		17.25	17.88	21.45	21.71	22.5	24.2	21.0	21.3	21.7
10	20.40	19.32		17.39	17.95	21.75	21.71	22.5	24.4	21.1	21.5	21.7
11	20.59	19.10		17.69	17.95	22.07	21.70	22.4	24.5	21.1	21.7	21.5
12	20.61	19.04		17.79	17.92	22.36	21.70	22.6	24.5	21.1	21.8	21.4
13	20.55	19.03		17.89	17.96	22.69	21.68	22.8	24.3	21.1	21.8	21.3
14	20.54	19.06		17.76	18.09	22.84	21.66	22.9	23.7	21.0	21.8	21.2
15	20.62	19.06		17.66	18.10	22.84	21.63	22.9	23.2	21.0	21.9	21.1
16	20.71	19.06		17.84	18.07	22.71	21.62	22.9	23.1	21.0	21.8	21.1
17	20.76	19.12		17.98	17.95		21.62	22.9	23.2	21.1	21.8	21.1
18	20.78	19.27		18.21	17.92	22.32	21.64		23.2	21.1	21.9	21.2
19	20.77	19.51		18.43	17.93	22.13	21.64	22.5	23.1	21.0	21.9	21.2
20	20.73	19.71		18.44	e17.86	22.03		22.7	23.0	e20.9	21.8	21.2
21	20.63	19.75		18.40	17.80	22.03		22.9	22.8	20.9	21.6	21.2
22	20.70	19.75		18.40	17.74	21.95		23.2	22.7	20.8	21.6	21.1
23	20.71	19.71		18.53	17.70	21.59	21.7	23.3	22.5	20.8	21.5	21.1
24	20.54	19.60		18.75	17.70	21.61	21.7	23.4	22.4	20.8	21.4	21.0
25	20.53	19.60	15.61	18.90	17.75	21.63	21.6	23.3	22.3	20.8	21.4	21.0
26	20.36	19.56	15.73	18.92	17.97	21.64	21.5	23.0	22.2	20.7	21.5	21.0
27	20.30	19.46	15.95	18.80	18.21	21.65	21.4	22.8	22.1	20.7	21.5	20.8
28	20.27	19.60	16.12	18.72	18.36	21.64	21.1	22.7	22.1	20.6	21.5	20.7
29	20.24		16.26	18.63	18.55	21.64	21.1	22.7	22.0	20.6	21.4	20.7

Mtg-4. City of Montgomery. West well field. SE¼SE¼ sec. 20, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Tuscaloosa group, diameter 6 inches, depth 446 feet. Measuring point is top of 6-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 152.8 feet above msl. Water level affected by pumping of nearby wells. Highest water level 52.6 March 2, 1953; lowest 135.1 Oct. 2-3, 1955; records available 1953-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	72.0	69.2	65.9	64.2	76.6	86.7	98.8	104.1	100.8	98.9		93.0
2	71.9	70.0	65.8	64.0	76.9	87.0	99.5	104.1	100.6	98.5		96.1
3	71.7	69.5	65.6	64.2	77.3	87.5	99.5	104.9	101.5	98.0		97.5
4	71.6	68.9	65.5	64.2	74.6	88.4	99.2	104.9	102.0	98.3		99.0
5	71.4	68.5	65.4	66.6	72.5	88.3	98.9	104.7	103.0	97.8		100.3
6	71.3	68.3	65.2		75.1	88.3	98.6	104.3	103.0	97.2		101.4
7	71.1	68.5	65.2		76.3	88.6	99.3	103.9	102.9	96.7		101.6
8	71.6	68.5	65.1		77.1	89.0	99.9	103.8	102.8	96.8		101.6
9	70.6	68.6	65.1		77.9	88.9	100.1	103.8	102.3	96.7		97.5
10	70.8	68.5	65.0		78.2	91.0	100.9	103.8	101.4	96.9		94.5
11	70.8	68.5	64.9		72.2	91.2	101.2	104.3	101.3	97.1		92.5
12	70.7	68.5	64.7		75.1	91.5	101.9	104.5	101.2	97.1		91.5
13	70.6	68.4	64.6		76.9	92.3	102.7	105.0	101.5	97.0		90.9
14	70.4	68.3	64.4		78.1	92.7	103.6		101.9	96.5		90.1
15	70.3	68.2	64.5		78.6	93.3	103.7		101.9	96.6		99.1
16	70.2	68.1	64.4		78.9	93.6			101.8	96.4		88.0
17	70.3	68.0	64.3		79.5	93.5			102.4	96.5		87.9
18	70.4	67.8	64.1		79.8		104.1		102.6	96.3		87.8
19	70.4	67.5	64.1	65.6	79.9		104.4		103.2	95.9		87.6
20	70.3	67.3	64.1	66.0	80.6		104.4		103.5	95.3		87.1
21	70.3	67.1	64.8	65.9	81.4		104.2	105.6	103.7	94.7		87.7
22	69.9	67.0	63.8	64.1	82.3		103.4	105.1	103.7	94.6		89.0
23	69.8	66.8	63.7	65.6	82.8		102.6	104.6	103.1	95.2		92.3
24	69.8	66.6	63.6		83.4		102.8	104.0	103.2	95.0		93.5
25	69.7	66.2	63.5		84.0	97.5	104.6	103.5	103.0	94.5		94.7
26	69.5	66.0	63.6		84.3	97.7	105.5	103.8	103.0	94.5		95.8
27	69.4	65.9	63.9		84.3	97.9	106.7	103.8	102.7	94.4		96.3
28	69.3	65.8	64.1		84.6	98.0	106.3	103.2	101.7	93.3	90.6	96.7
29	69.3		64.3	74.6	84.8	98.3	106.1	102.6	100.9	92.9	90.4	95.4
30	69.2		64.4	76.2	85.5	98.8	105.7	102.4	99.6	90.5	90.3	93.7
31	69.2		64.3		85.9		104.8	101.9		88.8		

Table 1. --Well descriptions and water-level measurements--Continued

Montgomery County, Ala., 1958

Mtg-4. City of Montgomery. SE¼SE¼ sec. 20, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Tuscaloosa group, diameter 6 inches, depth 446 feet. Land-surface datum is 152.8 feet above msl. Measuring point is top of 6-inch casing, 1.00 foot above land-surface datum. Water level affected by pumping of nearby wells. Highest water level 52.6 Nov. 2, 1953; lowest 135.1 Oct. 2-3, 1955; records available 1953-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	95.5	91.2	90.9	88.3	92.5	87.2	110.3	105.4	103.7		74.3	74.5
2	95.3	90.9	89.5	88.4	92.5	89.7	111.5	105.5	105.3		73.5	74.4
3	95.2	91.7	88.9	88.6	92.3	92.7	112.6	102.0			73.7	e 74.2
4	95.0	92.2	88.4	88.6	91.7	95.9	113.5	98.3			73.7	74.8
5	94.1	91.8	87.9	88.6	91.3	99.7	113.8	97.9			74.7	74.8
6	92.0	91.5	87.0	88.5	91.2	103.6	113.7	98.2			75.7	74.9
7	91.4	90.6	85.2	88.1	91.4	106.1	113.9	99.0			75.8	74.7
8	91.6	92.2	83.6	88.7	93.6	107.6	114.3	99.8		h 87.9	76.0	74.7
9	91.5	91.9	82.2	89.1	94.6	108.7	114.8	101.0		87.6	75.3	74.9
10	91.0	92.1	82.9	89.5	94.6	109.9	115.1	101.3		87.0	76.9	74.8
11	90.5	91.9	83.2	90.7	94.3	111.2	115.2	101.4		86.6	78.3	74.0
12	89.9	91.6	83.4	90.7	93.6	112.6	115.5	101.6		85.4	78.7	74.2
13	88.6	92.0	83.3	90.3	94.2	114.1	115.7	102.2		85.8	78.7	73.8
14	89.8	92.8	83.2	90.0	94.3	115.5	112.1	103.2		85.4	78.9	72.9
15	90.5	91.6	82.3	90.1	93.7	116.4	112.7	103.1		83.7	78.9	e 72.1
16	90.6	89.1		91.3	92.6	116.3	112.7	102.9		83.7	78.4	e 72.5
17	90.3	91.6		91.3	91.3		112.3	102.7		83.9	77.8	e 72.4
18	90.7	91.3		93.1	91.2		112.3	100.0		83.5	78.9	e 72.2
19	90.4	93.5		93.4	87.4		112.1	99.2		104.9	78.8	e 72.3
20	91.3	94.0		93.3				99.6		104.9	78.6	e 72.1
21	91.0	94.1		92.8				101.3		80.4		e 72.0
22	92.2	93.6	82.9	91.9				102.6		79.5	77.8	71.9
23	91.8	92.6	83.9			109.7		103.4		79.3	77.5	71.9
24	91.5	92.0	84.5	92.4		111.5	108.5	106.1		78.9	76.6	
25	91.5	91.2	85.6	93.6		110.5	107.7	105.4		78.5	76.6	70.6
26	91.2	90.9	85.9	93.5		111.0	107.1	105.4		77.6	76.3	69.6
27	91.2	91.3	86.2	93.2		109.5	103.6	103.5		76.6	76.1	68.9
28	92.4	91.0	87.1	92.7	83.0	107.3	101.2	103.1		76.7	75.2	68.7
29	92.2		87.6	92.7	84.7	106.4	103.0	103.4		75.9	74.8	68.5
30	91.5		87.9	92.1	85.9	107.7	104.0	102.9		75.8	e 74.2	68.6

Mtg-5. U. S. Air Force. NE¼NW¼ sec. 35, T. 17 N., R. 18 E. Drilled observation artesian well in sand of Gordo formation, diameter 8 inches, depth 232 feet, cased to 215, screen at 215-232. Land-surface datum is 220.8 feet above msl. Measuring point is top of casing, 1.80 feet above land-surface datum. Highest water level 105.25 May 26, 1958; lowest 112.38 May 6, 1957; records available 1958. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		108.37	107.64	106.57	106.03	105.53	107.49	108.23	108.86		110.08	110.51
2		108.39	107.61	106.55	106.00	105.60	107.49	108.14	108.90		110.09	110.45
3		108.42	107.58	106.50	105.97	105.70	107.49	108.12	108.94		110.10	110.37
4		108.41	107.58	106.49	105.91	105.80	107.50	108.17	108.97		110.09	110.31
5		108.30	107.57	106.49	105.85	105.87	107.52	108.23	108.99		110.01	110.42
6		108.18	107.51	106.46	105.67	105.90	107.55	108.29	109.01		110.01	110.50
7		108.05	107.37	106.61	105.62	105.93	107.56	108.33	109.10	109.70	110.04	110.49
8		108.10	107.13	106.64	105.63	105.98	107.59	108.38	109.20	109.74	110.00	110.42
9		108.14	107.07	106.62	105.63	106.01	107.59	108.42	109.27	109.84	109.97	110.40
10		108.12	107.11	106.51	105.62	106.05	107.65	108.44	109.34	109.97	110.03	110.40
11		108.05	107.10	106.55	105.60	106.11	107.68	108.44	109.41	110.08	110.05	110.27
12		108.05	107.05	106.57	105.56	106.19	107.72	108.45	109.42	111.00	110.06	110.22
13		e108.04	106.96	106.57	105.54	106.25	107.73	108.50	109.48	111.01	110.09	110.24
14		e108.00	106.99	106.53	105.57	106.31	107.71	108.52	109.55	111.01	110.12	110.20
15		108.00	107.00	106.44	105.55	106.36	107.70	108.52	109.61	111.00	110.22	
16		108.06	107.02	106.32	105.49	106.43	107.72	108.50	109.58	110.07	110.25	
17		108.07	107.01	106.36	105.45	106.45	107.71	108.47	109.59	110.04	110.26	
18		108.05	106.90	106.34	105.43	106.56	107.70	108.47	109.58	110.01	110.29	
19			106.91	106.32	105.40	106.65	107.73	108.51	109.60	109.96	110.36	
20			106.94	106.31	105.36	106.73	107.76	108.55		109.98	110.38	
21		e108.06	106.91	106.25	105.35	106.81				110.00	110.44	
22		107.99	106.93	106.18	105.32	106.87		108.64		110.01	110.46	
23		107.90	106.90		105.31	106.95	107.88	108.69		110.04	110.48	
24	108.22	107.83	106.85	106.18	105.30	107.06	107.91	108.71		110.07	110.49	109.91
25	108.23	107.81		106.21	105.29	107.12	107.97	108.71		110.08	110.48	109.91
26	108.26	107.73	106.67	106.13	105.27	107.20	108.03	108.72		110.09	110.46	109.91
27	108.30	107.58	106.64	106.12	105.29	107.26	108.10	108.75		110.08	110.46	109.87
28	108.32	107.62	106.65	106.11	105.30	107.37	108.12	108.79		110.08	110.47	109.78
29	108.30		106.65	106.12	105.33	107.44	108.11	108.82		110.14	110.52	109.75
30	108.31		106.63	106.08	105.38	107.49	108.13	108.84		110.16	110.53	109.76
31	108.29		106.56		105.44		108.20	108.86		110.16		109.72

e Estimated

Table 1.--Well descriptions and water-level measurements--Continued

Morgan County, Ala., 1957

Mor-1. Jack Pitts. Pitts Motel on U. S. Highway 31. NE¼NW¼ sec. 5, T. 6 S., R. 4 W. Drilled unused artesian well in Tuscumbia limestone, diameter 6 inches, depth 228 feet. Measuring point is top of 6-inch casing which is 1.40 feet above land-surface datum. Land-surface datum is 588 feet above msl. Highest water level 7.6 Dec. 5, 1957; lowest 30.8 Aug. 20, 1957; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.1	11.3		16.0				27.3	29.1		29.4	11.2
2	13.6	10.6		16.0			23.3	28.1	29.5		29.6	10.1
3	14.0	9.8		16.0			24.0	28.8	29.9		29.6	9.0
4	14.0	9.8		15.8			24.1	29.2	30.6		29.1	8.2
5	13.8	11.4		15.8	21.7		24.1	29.4	30.6		28.5	8.1
6	13.6	11.8		16.2	21.7		24.0	29.4	30.5		28.0	10.4
7	13.2	10.9		17.3	21.6		24.0	29.2	30.4		26.7	11.7
8	12.9	10.9		19.7	21.6		24.0	29.2	30.7		24.9	11.7
9	12.9	10.7		20.0			24.2	29.5	30.1		24.5	11.3
10	13.3	10.6		20.4			24.6	29.8	29.8		22.5	11.9
11	13.6	10.7		21.2			24.8	30.0	29.7		20.2	13.0
12	14.0	11.2		21.3			25.4		29.7		18.0	12.9
13	14.5	11.6					25.5		29.7	25.2	16.9	11.0
14	14.8	11.9					25.5		29.1	24.4	15.2	9.5
15	15.1	12.2					25.4	29.6	28.1	25.1	13.9	9.5
16	15.4	12.4					25.9	29.7	27.0	25.0	13.0	10.9
17	15.7	12.5					26.2	30.0	26.6	25.7	12.8	13.0
18	15.7	12.5					26.2	30.1	26.6	26.8	13.6	14.9
19	15.7	12.4					26.0	30.2	26.5	27.2	13.7	15.4
20	15.6	12.5					26.1	30.8	26.7	27.2	13.4	15.0
21	15.3	12.7					26.0	30.7	26.5	27.3	13.5	15.2
22	15.5	12.8					26.0	29.1	25.5	27.0	13.2	15.1
23	16.1	13.0					26.7	28.8	25.1	26.2	12.8	15.8
24	16.2	13.0					27.1	27.9	23.8	26.3	12.1	15.9
25	16.2	13.1					27.5	28.3	23.2	26.7	11.4	16.7
26	15.9	13.6					28.1	29.1	24.2	27.6	11.8	17.1
27	15.3	13.7					28.3	29.4	24.9	27.5	13.3	17.1
28	14.6	13.7	14.7				28.2	29.4		27.6	14.1	16.9
29	13.8		17.3				28.2	29.4		28.2	14.3	17.1
30	12.4		16.4									

Mor-1. Jack Pitts. Pitts Motel on U. S. Highway 31. NE¼NW¼ sec. 5, T. 6 S., R. 4 W. Drilled unused artesian well in Tuscumbia limestone, diameter 6 inches, depth 228 feet. Land-surface datum is 588 feet above msl. Measuring point is top of 6-inch casing, 1.40 feet above land-surface datum. Water level affected by pumping of nearby well. Highest water level 7.6 Dec. 5, 1957; lowest 31.0 Oct. 20, 1958; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.86	19.28	17.15	16.38	15.00	19.90		18.68	27.20	28.95	27.45	24.76
2	16.40	19.30	15.70	15.86	15.00	17.80		18.70	27.80	29.00	26.10	24.66
3	14.05	19.66	14.60	15.20	14.95	18.50		18.78	28.50	28.90	27.35	24.45
4	14.18	20.00	14.60	16.20	14.30			19.80	29.12	29.00	27.85	24.35
5	14.10	20.05	14.60	16.75	13.00			20.18	29.44	29.16	28.60	24.60
6	12.65	18.90	15.06	17.00	12.82			20.45	29.60	28.98	29.12	24.80
7	11.40	16.15	15.25	17.70	13.90		27.55	20.80		29.06	29.36	24.72
8	10.68		15.40	18.34	14.26		27.70	21.45	29.38	28.86	29.73	24.90
9	10.42		15.35	18.64	14.40	23.50	27.20	22.45	29.40	29.20	29.90	25.02
10	10.40	16.22	15.58	18.72	14.50	24.05	25.75	22.75	30.22	29.55	29.80	24.90
11	10.60	16.38	15.75	18.72	14.55	24.30	24.72	22.90	30.35	29.94	27.90	24.21
12	10.82	15.98	16.00	18.65	14.58	24.90	24.15	23.20	30.60	29.94	28.54	25.03
13		16.16	16.20	18.50	13.90	25.35	23.90	23.35	30.75	29.75	29.28	25.01
14		16.92	16.60	17.70	14.48	25.36	23.50	24.10	30.75	29.75	29.20	23.20
15		17.30	16.90	14.60	15.06	e23.05	22.60	24.80	30.38	29.40	29.13	21.68
16			17.20	12.20	15.38	21.75	21.92	24.70	30.30	30.00	29.50	20.68
17			17.38	13.16	15.44	22.55	22.10	24.60	30.30	30.30	29.57	21.20
18			17.55	14.62	15.58	23.80	22.08	25.30	30.30	30.50	29.63	22.40
19			17.56	15.44	15.34	24.55	22.10	26.10	30.25	30.90	29.60	23.83
20	18.40	11.62	17.52	15.68	13.94	24.70	22.00	26.35	30.35	31.01	29.05	23.83
21	18.95	11.45	17.52	15.58	15.50	24.85	21.78	26.50	30.15	30.95	28.00	24.63
22	19.75	12.10	17.52	15.62	16.60	24.80	21.12	26.90	29.35	30.70	26.60	24.73
23	20.66	14.60	17.45	15.82	17.32	24.40	20.70	27.30	28.62	30.50	27.13	24.80
24	21.48	16.10	17.32	16.40	17.75	25.00	20.40	27.85	28.28	29.95	27.00	25.95
25	21.48		17.30	16.52	18.00	25.54	20.05	28.22	28.10	29.60	25.70	26.36
26	21.10		17.18	16.42	18.16	25.82	19.48	28.40	27.85	28.20	26.70	26.31
27	21.22	16.80	17.18	16.20	18.50		18.70	28.42	27.85	28.28	27.30	25.48
28	19.60	17.06	16.86	15.84	18.98		18.50	28.28	28.32	28.60	27.05	25.70
29	19.70		16.60	15.40	19.36		18.25	28.42	28.68	28.50	25.70	26.20
30	19.54		16.30	15.08	19.82	25.60	18.26	28.40	28.82	26.98	25.30	26.45
31	18.90		16.49		20.12		18.54	27.55		27.45		26.10

e Estimated

Table 1.--Well descriptions and water-level measurements--Continued

Talladega County, Ala., 1957

Tal-1. City of Sylacauga. City brickyard. NE¼NE¼ sec. 32, T. 21 S., R. 4 E. Drilled unused artesian well in marble of Precambrian or Paleozoic age, diameter 14 inches, depth 1,360 feet, cased to 40, open hole. Measuring point is top of 14-inch casing which is at land-surface datum. Land-surface datum is 541.6 feet above msl. Water level affected by pumping of nearby wells. Highest water level 6.83 Apr. 17, 1955; lowest 40.26 Jan. 6, 1956; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.40	27.63	29.50	21.60	19.44	24.70						
2	33.81	27.52	29.69	18.20	19.49	25.05						
3	33.96	27.03	29.73	18.25	19.51	25.25						
4	33.96	26.70	30.32	18.16	19.25	25.60						
5	33.65	26.73	29.64		18.70	25.77						
6	33.22	26.73	29.53		19.25	26.03						
7	33.32	26.58	29.52		19.88	26.30						
8	33.36	26.66	29.43		19.99	Measurements						
9	33.40	26.78	29.60		20.25	discontinued						
10	33.72	27.06	29.67	14.98	20.04							
11	33.96	27.36	29.82	15.39								
12	33.94	27.45	29.75	15.59								
13	33.85	27.83	29.48	16.00								
14	34.06	28.20	29.60	16.14								
15	34.27	28.50	29.76	15.98	19.46							
16	34.43	29.18	29.83	16.61	19.54							
17	34.62	29.15	29.80	16.86	19.81							
18	34.90	28.61	29.76	16.06	20.04							
19	33.91	29.08	29.79	16.45	20.16							
20	34.62	28.69	29.93	16.51	20.52							
21	34.32	29.15	29.96	15.33	21.00							
22	34.43	29.57	27.70	15.60	21.45							
23	34.60	29.75	26.14	16.92	21.95							
24	34.66	30.00	25.93	17.52	22.40							
25	34.54	29.73	22.42	18.07	22.80							
26	31.70	29.11	21.35	18.48	22.85							
27	30.85	28.86	21.50	18.92	23.35							
28	30.40	29.13	21.51	19.09	23.70							
29	30.20		21.61	18.90	23.95							

Tal-2. City of Sylacauga. NE¼SW¼ sec. 29, T. 21 S., R. 4 E. Drilled observation artesian well in marble, diameter 6 to 3 inches, depth 202 feet, cased to 69, open hole. Measuring point is top of 6-inch casing which is 0.50 foot above land-surface datum. Land-surface datum is 546.4 feet above msl. Replaces well Tal-1. Highest water level 13.25 May 9-10, 1955; lowest 49.33 Jan. 6, 1956; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1											44.00	45.70
2											44.50	45.90
3											44.80	46.30
4											44.90	45.90
5											44.75	45.20
6											44.80	44.50
7											44.85	45.65
8										43.40	44.70	46.10
9										42.75	44.45	45.65
10										43.30	44.70	45.52
11										43.30	44.90	45.55
12										43.45	44.90	45.30
13										43.45	44.90	45.70
14										43.43	44.90	46.20
15										43.60	45.00	46.52
16										43.73	44.55	46.75
17										43.80	44.53	46.78
18										43.90	44.70	45.10
19										44.15	45.20	45.40
20										44.10	45.50	45.75
21										44.35	45.55	46.00
22										44.20	45.60	46.20
23										44.20	45.70	46.00
24										44.18	45.90	46.10
25										44.35	45.90	45.65
26										44.40	46.00	45.85
27										44.35	45.90	45.65
28										44.28	45.40	45.75
29										43.90	45.53	45.10
30										43.98	45.55	43.55
31										43.60		43.50

Table 1. --Well descriptions and water-level measurements--Continued

Talladega County, Ala., 1955

Tal-2. City of Sylacauga. NE¼SW¼ sec. 29, T. 21 S., R. 4 E. Drilled observation artesian well in marble, diameter 6 to 3 inches, depth 202 feet, cased to 69, open hole. Measuring point is top of 6-inch casing which is 0.50 foot above land-surface datum. Land-surface datum is 546.4 feet above msl. Replaces well Tal-1. Highest water level 13.25 May 9-10, 1955; lowest 49.33 Jan. 6, 1956; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.90	41.95	30.35	20.75		16.90	22.90	22.10	38.90	47.94	48.85	46.15
2	42.10	41.25	30.95	20.75		17.10	23.35	22.50	39.35	48.00	48.80	46.15
3	42.08	41.70	30.55	18.95		17.45	23.85	23.00	39.70	47.92		44.65
4	42.32	41.80	31.30	18.95		17.85	24.35	23.60	39.70	48.22		44.85
5	42.55	42.12	31.70	18.75		18.10	24.85	24.10	40.20	47.35		45.00
6	43.55	42.10	31.72	18.65		18.55	25.10	24.55	40.70	47.88		45.00
7	44.40		31.55	17.35		18.70	25.20	24.85	41.20	48.10		45.50
8	44.00		31.65	16.45		18.92	25.10	24.75	41.60	47.58		46.00
9	43.80		31.65	16.55	13.25	19.25	25.30	25.15	42.20	47.68		46.40
10	43.80	35.45		16.22	13.25	18.75	25.52	25.60	42.60	47.91	47.10	46.98
11	40.45	35.80		14.92		15.90	25.40	25.90	42.85	48.57	47.92	47.39
12	40.95	36.55		14.65		15.98	25.20	25.25	43.10	48.05	48.23	47.65
13	41.70	37.00		13.99		16.60	25.35	26.75	43.55	48.40	47.65	47.87
14	42.25	37.20		13.85		17.18	25.40	27.15	43.95	48.45	46.20	47.99
15	42.42	36.95		13.65		17.10	25.60	27.55	44.25	48.70	46.85	48.20
16	41.90	36.75				17.40	25.85	27.90	44.55	48.64	47.50	48.29
17	40.45	34.75				17.70	26.20	28.40	44.85	48.60	47.80	48.30
18	39.70	32.05	24.40			17.85	26.55	39.45	44.95	48.60	48.22	48.35
19	38.90	32.65	23.70			18.15	26.90	39.00	45.20	48.72	48.22	47.93
20	39.10	32.55	21.70			18.55	27.00	39.25	45.45	48.35	47.60	48.17
21	38.65	32.65	20.35			19.35	21.95	39.35	45.75	47.95	47.70	48.25
22	38.75	32.30	19.35			20.00	22.80	39.60	45.95	48.40	47.53	48.53
23	39.00	31.30	19.65			20.25	22.55	39.90	46.45	48.85	47.60	48.65
24	39.05	29.85	19.55			20.35	20.40	40.00	46.65	48.72	46.70	48.79
25	40.05	30.20	19.70			20.85	20.45	40.45	46.65	48.80	46.20	48.10
26	40.55	30.40	19.90		15.55	21.05	20.05	44.80	46.85	48.90	43.50	46.48
27	41.45	29.85	20.15		16.55	21.30	20.65	41.10	47.15	48.95	43.25	47.95
28	41.35	30.10	20.70		16.60	21.65	21.00	41.45	47.25	48.95	43.90	48.60
29	41.75		21.00		16.60	21.95	21.40	41.75	47.50	47.95	44.90	48.94
30	41.95		23.70		16.65	22.38	21.30	41.80	47.45	48.45	45.65	49.17

Tal-2. City of Sylacauga. NE¼SW¼ sec. 29, T. 21 S., R. 4 E. Drilled observation artesian well in marble, diameter 6 to 3 inches, depth 202 feet, cased to 69, open hole. Measuring point is top of 6-inch casing which is 0.50 foot above land-surface datum. Land-surface datum is 546.4 feet above msl. Replaces well Tal-1. Highest water level 13.25 May 9-10, 1955; lowest 49.33 Jan. 6, 1956; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.90	44.45	26.97	18.96	23.83	31.73	37.20	37.09	32.78	40.48	42.40	
2	49.05	44.79	26.50	19.80	24.09	32.30	37.27	35.95	33.22	39.80	42.62	
3	49.12	44.45	25.38	20.30	23.90	32.75	37.00	36.82	33.58	38.54	43.36	
4	49.20	38.47	25.21	20.60	23.24	33.08	36.90	37.40	33.80	37.77	43.06	
5	49.30	32.70	25.50	20.10	23.70	33.25	37.04	38.00	35.05	37.86	43.12	43.12
6	49.33	30.05	26.00	17.41	23.90	33.38	37.23	38.50	35.14	37.82	43.11	44.51
7	48.36	29.27	26.03	17.65	23.63	33.69	37.26	38.89	34.82	38.10	43.18	45.00
8	48.55	28.85	26.61	17.54	24.10	34.06	36.86	39.22	34.71	38.43	41.65	45.32
9	48.59	28.57	26.91	18.22	24.46	34.26	36.40	39.55	35.76	39.04	41.40	45.65
10	48.57	28.60	27.18	18.40	24.77	34.94		39.65	36.31	39.41	41.50	45.75
11	48.50	28.30	26.65	18.78	25.18	34.47	36.81	39.22	36.76	39.70	41.78	46.00
12	47.90	28.39	26.88	19.18	25.29	34.39	37.20	39.56	37.21	40.00	42.04	45.82
13	47.49	28.55	26.88	19.70	24.75	33.96	37.30	39.75	37.60	40.22	42.46	45.88
14	47.80	28.75	25.08	19.72	25.60	34.20	37.40	39.88	37.95	40.20	42.60	45.65
15	48.00	28.81		18.92	26.18	33.16	37.40	39.93	37.21	40.44	42.55	45.21
16	48.10	27.60		17.49	26.65	33.48	35.45	39.85	38.45	40.54	42.44	45.42
17	48.20	26.60	18.20	18.52	27.10	33.86	35.80	39.84	38.60	40.07	42.00	45.70
18	48.00	26.39	18.15	19.35	27.50	34.15	36.11	39.78	38.45	40.82	41.80	45.42
19	47.00	25.88	18.90	20.10	27.92	34.48	36.55	39.51	38.76	40.98	41.97	46.00
20	44.75	24.98	19.38	20.90	28.20	34.80	36.94	39.37	39.40	40.75	42.25	45.78
21	45.32	25.22	19.58	21.05	28.55	34.60	37.35	39.01	40.00	41.02	42.45	45.80
22	45.54	25.34	19.80	21.47	28.70	34.54	37.70	38.91	40.47	41.21	42.40	45.75
23	45.45		20.22	21.43	28.80	34.90	37.91	38.85	40.75	41.58	42.60	42.12
24	45.78		20.60	21.72	29.34	34.98	38.05	38.85	40.80	41.70	42.69	38.90
25			20.58	22.03	29.75	35.41	37.77	38.75	40.70	42.03	41.60	38.20
26	45.75		20.90	22.30	30.10	35.80	37.45	38.76	40.01	42.20	43.10	38.13
27	45.70		21.50	22.50	30.10	36.22	37.68	38.95	40.25	42.50	43.60	38.18
28	45.70		21.78	22.70	30.53	36.36	37.91	38.38	40.53	42.59	43.40	38.39
29	45.68	26.87	19.40	23.05	30.97	37.03	38.00	38.20	40.75	42.58		38.52
30	44.85		18.70	23.45	31.40	37.14	37.90	37.86	40.41	42.64		38.51
31	44.40		19.00		31.80		37.99	31.91		42.63		38.92

Table 1. --Well descriptions and water-level measurements--Continued

Talladega County, Ala., 1957

Tal-2. City of Sylacauga. NE¼SW¼ sec. 29, T. 21 S., R. 4 E. Drilled observation artesian well in marble, diameter 6 to 3 inches, depth 202 feet, cased to 69, open hole. Measuring point is top of 6-inch casing which is 0.50 foot above land-surface datum. Land-surface datum is 546.4 feet above msl. Replaces well Tal-1. Highest water level 13.25 May 9-10, 1955; lowest 49.33 Jan. 6, 1956; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.05		36.77	27.90	26.71		28.2	34.7		34.9	42.5	27.6
2	40.71		37.05	24.74	26.81		26.0	35.1		35.0	42.5	28.1
3	41.14		37.06	24.90			26.5	35.4		34.9	42.8	28.3
4	41.20		37.11	24.94			26.9	35.4		34.7	43.1	28.4
5	40.85		36.75	20.40	24.30		27.2	35.6		35.0	43.5	28.8
6	39.56	32.88	36.54	19.75	25.79		27.6	36.1		35.1	43.8	29.0
7	39.60	33.09		20.18	26.52		27.5	36.5		35.5	43.9	28.6
8	39.88	33.29		20.89	26.80		27.9	36.7		36.0	43.2	26.5
9	41.05	33.41		21.41	27.21		28.5	36.9	40.3	36.5	42.1	26.1
10	41.61	33.75		21.81	27.01		29.4	37.0	40.9	37.1	42.0	26.3
11	41.82	34.18		22.21	20.72		29.7	37.1	41.0	37.7	42.2	26.6
12	41.90	34.40		22.69	19.62		29.6	37.4	41.2	38.1	42.8	
13	42.01	34.70		23.12	20.51		30.4	37.6	41.3	38.1	43.1	
14	42.29	35.13	36.50	23.36	21.41		30.9	37.9	40.5	38.5	42.3	
15	42.38	35.42	36.85	23.16	21.80		31.0	38.0	40.8	39.1	39.3	
16	42.60	35.52	37.00	23.84	21.95		30.0	38.2	40.8	39.5	39.4	
17	42.80	35.54	37.05	24.24	22.20		30.4	38.3	41.2	39.1	39.2	
18	43.09	35.53	37.08	23.02	22.49		30.9	37.8	41.8	39.5	39.3	27.8
19	43.15	35.80	37.15	23.44	22.48		31.2	37.4	41.3	39.0	37.6	27.9
20	42.89	36.24	37.32	23.54	22.96		31.6	37.5	41.4	39.5	36.4	26.6
21	42.50	36.76	37.40	22.00	23.52		32.3	34.0	41.8	40.2	36.7	24.4
22	42.70	37.20	33.81	22.01	24.1		32.7	34.2	41.9	40.7	36.7	24.2
23	42.55	37.50	32.72	23.79	24.6		33.1	36.1	42.1	40.9	31.5	24.7
24	42.72	37.75	32.55	24.34	25.1	27.7	33.3	37.2	42.7	40.9	29.7	25.4
25	42.60	37.72	28.00	25.48	25.6	27.7	33.3	37.7	43.1	41.4	29.3	25.9
26	38.42	36.40	27.47	25.93	25.6	28.4	34.1	37.9	43.1	41.7	29.4	24.8
27	37.33	35.76	27.71	26.28	26.2	28.9	34.2	38.4	43.2	41.6	29.4	24.8
28		36.30	27.89	26.51	26.7	28.2	32.1	38.9	40.6		29.1	25.2
29			28.12	26.51	27.2	28.2	33.0	39.2	34.5		28.5	25.3
30			28.30			28.4	33.9	39.4	34.4		27.6	25.8

Tal-2. City of Sylacauga. NE¼SW¼ sec. 29, T. 21 S., R. 4 E. Drilled observation artesian well in marble, diameter 6 to 3 inches, depth 202 feet, cased to 69, open hole. Land-surface datum is 546.4 feet above msl. Measuring point is top of 6-inch casing, 0.50 foot above land-surface datum. Highest water level 12.1 Apr. 5, 1958; lowest 49.33 Jan. 6, 1956; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		28.1	25.6		15.5	20.4		21.1	23.4	27.1		25.5
2		29.4	24.8		15.7	20.7		20.6	26.1	21.2		25.6
3	28.0		25.8		15.8	22.9		20.1	28.9	21.1		25.6
4	28.7		23.0	e13.0	15.8	25.2		20.7	29.8	21.2		26.9
5			21.3	12.7	15.8	26.5		21.0	27.6	21.2		26.3
6			20.4	12.7	15.9	27.3		20.2	26.4	21.6		26.5
7			19.5		16.0	27.7		20.5	26.1	21.9		26.6
8			17.5		16.2	27.7		20.8	26.0	22.1		26.8
9			16.0		16.4	27.3		21.0	25.4	22.3		27.1
10			15.9		16.7	25.5		21.1	25.5	22.6		27.2
11			15.9		16.6	24.4		21.3	25.6	22.9		27.2
12			15.8		17.0	23.9		21.5	25.7	23.0		27.4
13			15.3		17.2	23.5		21.5	22.9	23.1		27.4
14			15.3		17.5	27.1		21.5	22.7	23.4		27.2
15			15.2		17.5	26.6		22.4	23.2	23.6		
16			14.9		17.7	21.4		22.1	23.5	23.8		
17			15.0		17.9	20.9		21.7	23.8	24.0		
18			14.6		18.2	20.0		21.8	23.9	24.2		
19			14.6		18.4	19.8		22.0	24.2	24.3		
20			14.6		18.5			22.3	24.4	24.5		
21			14.6		18.7		20.3	22.4	24.5	24.8	27.9	
22			14.6	14.1	18.9		20.5	22.5	22.8	25.0	28.0	h27.4
23			14.4	15.8	19.1		20.1	22.7	22.7	25.2	28.2	26.7
24			14.5	16.7	19.3		20.2	22.6	23.4	25.4	28.4	25.7
25			14.0	18.8	19.5		19.5	22.5	23.6		28.5	25.0
26			13.8	16.2	19.7		19.5	21.4	26.1		28.4	25.1
27			13.6	15.7	19.9		19.6	21.9	28.8		26.8	25.1
28		25.4	13.7	15.7	20.0		20.0	22.3	30.1		26.8	24.4
29			13.5	15.3	19.9		20.4	22.6	29.0		24.9	24.5
30	28.8			15.2	20.3		20.7	22.8			25.2	24.4
31	28.4				20.4		21.0	23.1				24.6

e Estimated h Tape measurement

Table 1. --Well descriptions and water-level measurements--Continued

Tuscaloosa County, Ala., 1957

Tus-1. University of Alabama. North end of Smith Hall. NE¼NE¼ sec. 23, T. 21 S., R. 10 W. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diameter 4 to 2 inches, depth 56 feet, cased to 56, screen at 50-56. Measuring point is top of 4-inch casing which is 1.00 foot above land-surface datum. Land-surface datum is 230.1 feet above msl. Highest water level 23.91 May 9, 1956; lowest 27.86 Jan. 10-11, 13, 1955; records available 1954-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.64	26.37	25.91	25.55	24.98	25.12	e25.55	25.75	26.07	e26.21	25.73	25.53
2	26.63	26.42	25.90	25.55	24.97	25.14	25.55	25.76	26.09	e26.18	25.75	25.51
3	26.63	26.44	25.86	25.46	24.97	25.16	25.56	25.74	26.10	e26.15	25.78	25.51
4	26.66	26.43	25.86	25.48	24.99	25.20	25.56	25.74	26.12	e26.11	25.77	25.48
5	26.64	26.43	25.87	25.49	25.00	25.18	25.57	25.74	26.14	e26.07	25.79	25.48
6	26.65		25.83	25.46	25.00	25.20	25.58	25.75	26.15	26.02	25.79	25.44
7	26.63			25.39	24.99	25.21	25.59	25.77	26.17	26.02	e25.80	25.41
8	26.62			25.39	24.98	25.28	25.61	25.78	26.18	25.98	e25.80	25.41
9	26.63			25.36	24.97		25.61	25.78	26.20	25.93	e25.81	25.35
10	26.70			25.28	24.97	25.26	25.62	25.78	26.21	25.89	e25.82	25.38
11	26.66			25.30	24.96		25.62	25.81	26.22	25.86	e25.86	e25.36
12	26.63	26.73	25.72	25.30	24.96		25.64	25.82	26.25	25.84	e25.87	e25.34
13	26.63	26.72	25.69	25.28	24.97	25.40	25.64	25.82	26.26	25.82	e25.90	25.31
14	26.64	26.69		25.24	24.97	25.41	25.65	25.84	26.29	25.79	25.91	25.31
15	26.65	26.68		25.21	24.98	25.41	25.68	25.87	26.30	25.79	25.91	25.30
16	26.65	26.67		25.18	24.97	25.43	25.67	25.87	26.30	25.78	25.92	25.29
17	26.65	26.64		25.15	24.98	25.43	25.67	25.88	26.31	25.75	25.91	25.26
18		26.60		25.14	24.97	25.42	25.67	25.88	26.31	25.75	25.89	25.23
19		26.61	25.68	25.12	24.97	25.43	25.68	25.88	26.30	25.74	25.87	25.23
20		26.00	25.65	25.10	24.99	25.45	25.68	25.90	26.31	25.74	25.84	25.24
21		26.00	25.52	25.08	25.00	25.48	25.67	25.91	26.31	25.73	25.81	25.22
22		25.97	25.65	25.06	25.02	25.45	25.68	25.93	26.30	25.73	25.77	25.18
23		25.95	25.61	25.05	25.07	25.46	25.69	25.94	26.31	25.70	25.75	25.16
24		25.91	25.62	25.04	25.07	25.47	25.69	25.95	26.31	25.71	25.72	25.14
25	h26.32	25.91	25.65	25.03	25.05	25.47	25.71	25.97	26.30	25.72	25.69	25.11
26		25.93	25.62	25.02	25.05	25.48	25.71	25.99	26.30	25.73	25.66	25.08
27		25.93	25.63	25.00	25.06	25.52	25.70	25.99	26.31	25.73	25.63	25.08
28	26.32	25.92	25.61	25.00	25.09	e25.53	25.70	26.01	26.31	25.72	25.62	25.06

Tus-1. University of Alabama. NE¼NE¼ sec. 23, T. 21 S., R. 10 W. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diameter 4 to 2 inches, depth 56 feet, cased to 56, screen at 50-56. Land-surface datum is 230.1 feet above msl. Measuring point is top of 4-inch casing, 1.00 foot above land-surface datum. Highest water level 23.29 May 22, 1958; lowest 27.86 Jan. 10-11, 13, 1955; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		24.95	24.49	23.82	23.91	23.45	23.89				24.99	
2		24.96	24.43	23.81	23.87	23.47	23.90			24.67	25.01	
3		24.93	24.43	23.76	23.79	23.52	23.91			24.67	25.01	25.30
4		24.89	24.43	23.76	23.73	23.55	23.94			24.68	25.03	25.33
5		24.88	24.41	23.76	23.64	23.53	23.95			24.67	25.07	25.38
6		24.91	24.38	23.75	23.60	23.55	23.96			24.18	25.07	25.39
7		24.91	24.37	23.80	23.56	23.58	24.02	23.82		24.19	25.07	25.36
8		24.86	24.36	23.78		23.59	23.98	23.84		24.70	25.12	25.38
9		24.82	24.33	23.76	23.50		23.97	23.86		24.71	25.11	25.40
10		24.78	24.33	23.73	23.47	23.63	23.97			24.72	25.12	25.39
11		24.76	24.29	23.77	23.43	23.66				24.73	25.14	25.40
12		24.73	24.27	23.79	23.42	23.67	23.93			24.74	25.15	25.42
13			24.25	23.77	23.42	23.69	23.96			24.75	25.16	25.43
14		24.68	24.22	23.76	23.43	23.69	23.98			24.76	25.19	25.43
15		24.73	24.17	23.76	23.39	23.71	23.99			24.76	25.19	25.44
16	24.99	24.71	24.16	23.77	23.36	23.73	23.99			24.77	25.22	25.43
17	24.99	24.68	24.11	23.77	23.35	23.74	23.99			24.77	25.22	25.44
18	25.01	24.65	24.10	23.74	23.35	23.75	24.00			24.80	25.22	25.45
19	24.99	24.62		23.74	23.35	23.76	24.00			24.82	25.24	25.47
20	24.94	24.61	e24.08	23.75	23.35	23.76	24.00			24.83	25.24	25.51
21	25.02	24.58	24.07	23.75	23.33	23.76	24.02			24.84	25.24	25.49
22	24.99	24.54	24.06	23.74	23.34	23.75	24.02			24.86	25.25	25.50
23	24.97	24.54	24.00	23.80	23.34	23.79	24.03			24.88	25.25	25.54
24	25.00	24.51	23.97	23.36	23.33	23.81	23.97			24.88	25.28	25.56
25	24.94	24.50	23.96	23.90	23.35	23.83	23.93			24.90	25.28	25.54
26	24.98	24.45	23.94	23.87	23.36	23.84	23.90			24.91	25.33	25.54
27	24.97	24.48	23.94	23.87	23.37	23.84	23.90			24.92	25.32	25.56
28	24.96	24.50	23.91	23.92	23.41	23.85	23.96			24.94		25.58
29	24.94		23.88	23.91	23.40	23.87	23.94			24.95		25.59
30	24.91		23.92	23.90	23.40	23.88	23.93			24.94		25.60
31	24.98		23.87		23.42					24.97		25.60

e Estimated

Table 1.--Well descriptions and water-level measurements--Continued

Tuscaloosa County, Ala., 1957

Tus-2. B. F. Goodrich Tire and Rubber Co. NE¼SW¼ sec. 29, T. 21 S., R. 10 W. Drilled observation water-table well in sand and gravel of Quaternary age, diameter 6 to 5 inches, depth 72 feet, cased to 72, screen at 58-71. Measuring point is top of 6-inch casing which is 2.00 feet above land-surface datum. Land-surface datum is 161 feet above msl. Highest water level 17.09 Apr. 22, 1956; lowest 22.54 Jan. 30, 1956; records available 1955-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.73	21.01	19.68	18.99			19.71	20.29	20.92	21.17	20.66	19.56
2	21.72	20.98	19.66	18.99			19.75	20.29	20.92	21.16	20.70	19.47
3	21.70	20.84	19.57	18.94			19.68	20.32	20.94	21.11	20.75	19.38
4	21.64	20.78	19.53	18.85			19.76	20.33	20.97	21.00	20.75	19.41
5	21.67	20.65	19.54	18.73			19.78	20.36	21.03	20.93	20.79	19.37
6	21.65	20.51	19.51	18.72			19.80	20.40	21.03	20.84	20.78	19.30
7	21.59	20.40	19.51	18.48			19.82	20.42	21.05	20.78	20.76	19.26
8	21.55	20.30	19.52	18.38			19.84	20.45	21.07	20.75	20.91	19.21
9	21.50	20.17	19.49	18.36			19.81	20.44	21.12	20.72	20.93	19.22
10	21.59	20.07	19.50	18.25	18.51		19.83	20.45	21.12	20.69	20.91	19.20
11	21.57	20.07	19.44	18.16	18.55		19.84	20.48	21.13	20.68	20.86	19.15
12	21.48	20.00	19.44	18.14	18.54		19.86	20.54	21.12	20.68	20.78	19.13
13	21.39	19.95	19.39	18.20	18.57		19.87	20.56	21.18	20.69	20.70	19.00
14	21.42	19.91	19.43	18.20	18.57	h19.35	19.90	20.57	21.20	20.64	20.64	19.00
15	21.40	19.87	19.49	18.18	18.59		19.95	20.61	21.20	20.64	20.62	19.00
16	21.42	19.80	19.47	18.16	18.60		19.96	20.61	21.20	20.65	20.56	19.00
17	21.43	19.80	19.38	18.16	18.62		19.98	20.68	21.24	20.63	20.50	19.01
18	21.43	19.80	19.31	18.20	18.65		20.00	20.65	21.24	20.64	20.40	18.99
19	21.44	19.71	19.40	18.21	18.62		20.02	20.67	21.24	20.64	20.41	18.96
20	21.38	19.71	19.42	18.24	18.59		20.04	20.70	21.25	20.66	20.36	19.09
21	21.33	19.71	19.35	18.24	18.59	19.55	20.05	20.74	21.28	20.67	20.31	19.13
22	21.38	19.71	19.24	18.24		19.61	20.07	20.74	21.29	20.65	20.24	19.07
23	21.46	19.71	19.24	18.24		19.58	20.09	20.73	21.30	20.55	20.12	19.02
24	21.41	19.71	19.24			19.57	20.10	20.77	21.32	20.58	20.04	18.97
25	21.32	19.66	19.24			19.59	20.18	20.80	21.32	20.64	19.92	18.89
26	21.34	19.61	19.27			19.60	20.18	20.82	21.33	20.72	19.85	18.89
27	21.28	19.64	19.29			19.62	20.20	20.83	21.34	20.73	19.76	18.86
28	21.21	19.66	19.24			19.66	20.20	20.84	21.32	20.73	19.63	18.85
29	21.15		19.24			19.68	20.21	20.87	21.25	20.66	19.59	18.89

Tus-2. B. F. Goodrich Tire and Rubber Co. NE¼SW¼ sec. 29, T. 21 S., R. 10 W. Drilled observation water-table well in sand and gravel of Quaternary age, diameter 6 to 5 inches, depth 72 feet, cased to 72, screen at 58-71. Land-surface datum is 161 feet above msl. Measuring point is top of 6-inch casing, 2.00 feet above land-surface datum. Highest water level 15.87 May 11, 1958; lowest 22.54 Jan. 30, 1956; records available 1955-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		18.45	17.79	16.58	17.35	17.00	18.03	17.09				
2		18.60	17.78	16.64	17.24	17.05	18.06	17.07				
3		18.66	17.84	16.46	16.92	17.16	18.07	17.04		18.09		
4		18.65	17.82	16.52	16.69	17.21	18.12	17.11		18.08		
5		18.48	17.78	16.48	16.46	17.26	18.15	17.15		18.07		
6		18.40	17.71	16.73	16.27	17.27	18.18	17.21		18.04		
7		18.40	17.63	16.84		17.30	18.30	17.25		18.07		
8		18.40	17.50	16.78	16.05	17.36	18.20	17.32		18.11		
9		18.32	17.45	16.69	15.97		18.20	17.39		18.12		
10		18.22	17.38	16.88	15.95	17.44	18.14	17.41		18.12		
11		18.13	17.32	16.93	15.92	17.51	17.99	17.46		18.19		
12		17.99	17.21	16.98	15.93	17.55		17.46		18.22		
13		17.97	17.18	17.00	16.01	17.60	17.85			18.24		
14		17.85	17.12	16.97	16.09	17.62	17.80			18.26		
15		17.93	17.09	16.89	16.12	17.65	17.80			18.26		
16	18.94	17.94	16.98	17.00	16.09	17.61	17.79			18.27		
17	18.98	17.91	16.90	17.04	16.12	17.72	17.75			18.27		
18	19.03	17.83	16.88	17.01	16.91	17.75	17.74			18.28		
19	19.04	17.80		17.02	16.26	17.77	17.72			18.34		
20	18.97	17.78	e16.86	17.04	16.33	17.76	17.69			18.34		
21	18.82	17.71	16.85	17.03	16.39	17.77	17.65			18.41		
22	18.92	17.67	16.87	17.10	16.40	17.73	17.68			18.42		
23	18.90	17.63	16.79	17.16	16.49	17.77	17.74			18.42		
24	18.73	17.63	16.72	17.27	16.52	17.84	17.61			18.50		
25	18.73	17.59	16.70	17.34	16.55	17.89	17.46			18.51		
26	18.67	17.54	16.65	17.32	16.65	17.91	17.33					
27	18.67	17.71	16.66	17.32	16.74	17.92	17.25			18.50		
28	18.67	17.86	16.65	17.32	16.80	17.93	17.23			18.52		
29	18.58		16.65	17.38	16.86	17.98	17.17			18.52		
30	18.55		16.50	17.38	16.89	18.01	17.12			18.58		
31	18.50		16.54		16.93		17.09			18.63		

e Estimated

Tuscaloosa County, Ala., 1957

Tus-3. U.S. Geological Survey. Ralph School. NW¼SE¼ sec. 22, T. 24 N., R. 3 E. Drilled observation artesian flowing well in sand of Tuscaloosa group, diameter 4 to 2 inches, depth 598 feet, cased to 598, slotted at 532 to 576. Measuring point is top of ¼-inch pipe which is 2.8 feet above land-surface datum and 2.2 feet above top of 4-inch casing. Land-surface datum is 274.0 feet above msl. Water level affected by pumping of nearby wells. Highest water level +23.8 April 16, 18-22, 1955; lowest +18.0 Feb. 22, 1957; records available 1954-57. Daily lowest water level above land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		19.0	19.0	19.0	19.0			19.8		19.9	19.9	
2		18.7	18.7	19.0	19.0			19.7		20.0	19.8	
3		18.5	18.5	19.2	19.0			19.8		20.0	19.8	
4		18.2	18.5	19.2	e19.0			19.7		19.9	19.8	20.1
5		18.2	18.7	19.2	e19.0			19.7	19.5	19.8	19.9	20.0
6		18.2	19.0	19.0	19.0			19.6	19.5	19.8	19.9	20.2
7			19.0	19.0	19.0			19.6	19.6	19.9		20.2
8			18.7	19.0	18.7			19.7	19.7	19.9		20.1
9			18.5	19.0	18.5			19.8	19.6	20.0		20.0
10			18.7	19.2	18.7			19.7	19.5	19.9		20.1
11			19.0	19.5	19.0			19.8	19.5	19.8		20.1
12		18.2	18.7	19.5	18.7			19.8	19.5			20.0
13		18.7	18.7	19.2	19.0			19.7	19.6		h20.0	20.0
14		18.5	19.0	19.0	19.0			19.8	19.7			e20.0
15		18.5	19.0	19.0	19.0	19.0		19.8	19.8			e20.0
16		18.7	19.0	19.0	19.2	19.0		19.7	19.7			e20.1
17		18.5	19.0	19.0	19.2	18.7		19.7	19.8			20.2
18		18.5	19.0	19.2	19.0	18.7	19.3	19.7	19.9	19.9		20.2
19		18.7	19.0	19.2	19.0	18.5	19.6		19.9	19.8		20.4
20		18.7	19.0	19.2		18.7	19.8	19.6	19.9	19.8		20.4
21		18.5		19.0			19.7	19.6	19.9	19.8		20.3
22		18.0		19.0			19.8	19.7	19.8	19.8		20.2
23		18.5		19.0			19.9	19.7	19.8	20.0		20.3
24		18.7		19.0			19.8	19.7	19.7	20.0		20.2
25		18.5	18.7	19.0			19.8	19.6	19.7	19.9		20.2
26		18.2	18.5	19.0			19.7	19.6	19.7	19.8		20.1
27	18.7	18.5	18.7	19.0			19.8	19.7	19.8	19.8		20.1
28	18.5	18.7	19.0	19.0								

Tus-3. U.S. Geological Survey. Ralph School. NW¼SE¼ sec. 22, T. 24 N., R. 3 E. Drilled observation artesian flowing well in sand of Tuscaloosa group, diameter 4 to 2 inches, depth 598 feet, cased to 598, slotted at 532 to 576. Land-surface datum is 274.0 feet above msl. Measuring point is top of ¼-inch pipe, 2.80 feet above land-surface datum. Water level affected by pumping of nearby wells. Highest water level +23.8 April 16, 18-22, 1955; lowest +18.0 Feb. 22, 1957; records available 1954-58. Daily lowest water level above land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				22.8				23.4				
2						23.2						
3									23.0	22.6		
4												
5								23.3				
6												
7					22.5						22.6	
8							23.1					
9									22.9			22.8
10												
11												
12								23.2			22.8	
13										22.5		
14		21.9					23.2					
15												
16					23.1							
17												
18				23.1					22.7			
19												
20			22.0									
21												
22												
23												
24	20.8	22.2				23.5		23.3				22.3
25							23.4				22.8	
26												
27										22.4		
28												
29												
30						23.4						
31												

Table 1.--Well descriptions and water-level measurements--Continued

Wilcox County, Ala., 1957

Wil-1. City of Camden. NE¼NE¼ sec. 29, T. 12 N., R. 8 E. Drilled unused artesian well in sand of Ripley formation, diameter 4 inches, depth 400 feet, cased to 395 feet. Measuring point is top of 4-inch casing which is at land-surface datum. Land-surface datum is 165 feet above msl. Water level affected by pumping of nearby wells. Highest water level 68.1 Apr. 27, 1953; lowest 165.0 Oct. 1, 1956; records available 1953-57. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				82.3				129.4			102.8	85.7
2				82.9				131.8				98.2
3				81.2				133.4		h94.1	94.9	89.5
4				81.9				133.4		93.7	89.4	
5				82.2				115.1	132.3	92.8	107.0	
6				83.4				125.9	133.3	90.7	109.0	
7				80.8				129.3	133.1		94.1	85.6
8				81.5				130.7	118.5		103.3	83.9
9				84.0				131.8	110.0	90.8	94.0	83.8
10				92.2				134.0	119.9	88.7	89.5	83.1
11				86.2				135.3	125.6	92.0	87.3	82.9
12				84.5				134.7	128.5	102.4	88.7	87.3
13				83.1				134.7	129.3	94.8	87.3	
14				90.1				134.8	128.2	89.5	88.5	
15				95.7		h95.0		132.6	119.0	102.9	86.5	
16				83.3				134.7	113.5	95.5	100.0	
17				81.7	h95.5			135.5			90.3	
18				80.9				135.5			88.7	
19							h137.7	128.6		97.4	85.7	
20				91.0	91.6		137.9	132.4		91.5	87.5	
21							137.7	133.8		90.2	99.6	
22					95.5		130.8	133.8		88.4	90.5	
23		h85.3	h86.4				133.1	130.0		102.2	88.6	
24	h82.2		86.0				136.1	131.9		94.3	85.3	
25			88.7				136.9	122.7		89.4	83.9	
26			88.3				136.7			102.3	86.6	
27			84.2		95.5		136.8			93.8	90.5	
28			83.0		94.3		135.6			88.9	88.7	
29			90.1				118.5			92.1	86.4	
30			88.6				125.4			87.6		h84.4

Wil-1. City of Camden. NE¼NE¼ sec. 29, T. 12 N., R. 8 E. Drilled unused artesian well in sand of Ripley formation, diameter 4 inches, depth 400 feet, cased to 395 feet. Land-surface datum is 165 feet above msl. Measuring point is top of 4-inch casing at land-surface datum. Water level affected by pumping of nearby wells. Highest water level 68.1 Apr. 27, 1953; lowest 165.0 Oct. 1, 1956; records available 1954-58. Daily lowest water level below land-surface datum from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81.1	85.3	83.9		99.7	100.7		134.2	128.4			
2	81.5	83.5	82.3		101.9	111.1						
3	81.4	81.9	86.9		97.7	111.5						
4	83.0	81.3	86.9		87.2	115.2						
5	82.6	83.0	90.0		80.0	121.6						
6	81.1	81.8	86.6		76.6	129.2						
7	80.5		84.7		80.3	119.8						
8	80.7		95.8		79.9	113.0						
9	81.0		87.8		76.7	115.7						
10	81.1		94.9		79.2	115.6						
11	81.1		90.6		79.1	120.7						
12	81.0		101.5		74.8	123.0						
13	95.7		103.2		76.6	122.5						
14	86.3	84.3	89.9		91.9	125.4						
15	92.5	85.5	90.4		107.0	119.0						
16	87.7	82.5	88.5		95.1	116.3						
17	84.1	81.3	85.7		102.8	109.4						
18	84.9	81.4	83.9		92.8	119.2						
19	86.6	82.0	84.6		89.0	121.5				133.6		
20	85.1	82.2	83.7		96.8	122.6						
21	83.4	81.8	83.7		101.8	122.8		130.2				
22	83.5	96.8	83.3		103.7	109.6		130.3				
23	83.2	90.1	83.0		107.1	h109.1		120.6				120.2
24	82.6	86.9	81.9		111.3		121.4	122.2				
25	83.2	85.5	82.1	101.7	100.2		122.0	115.0				
26	81.8	86.1	81.3	105.1	103.2		117.0	121.5				
27	83.7	82.7		90.7	94.8		120.8	125.4				
28	81.3	86.5		85.1	95.6		122.5	128.0				
29	96.2			87.9	105.3		127.1	128.6				
30	97.4			79.7	111.9		130.8	124.1				
31	88.0				109.3		134.1	127.1				

h Tape measurement

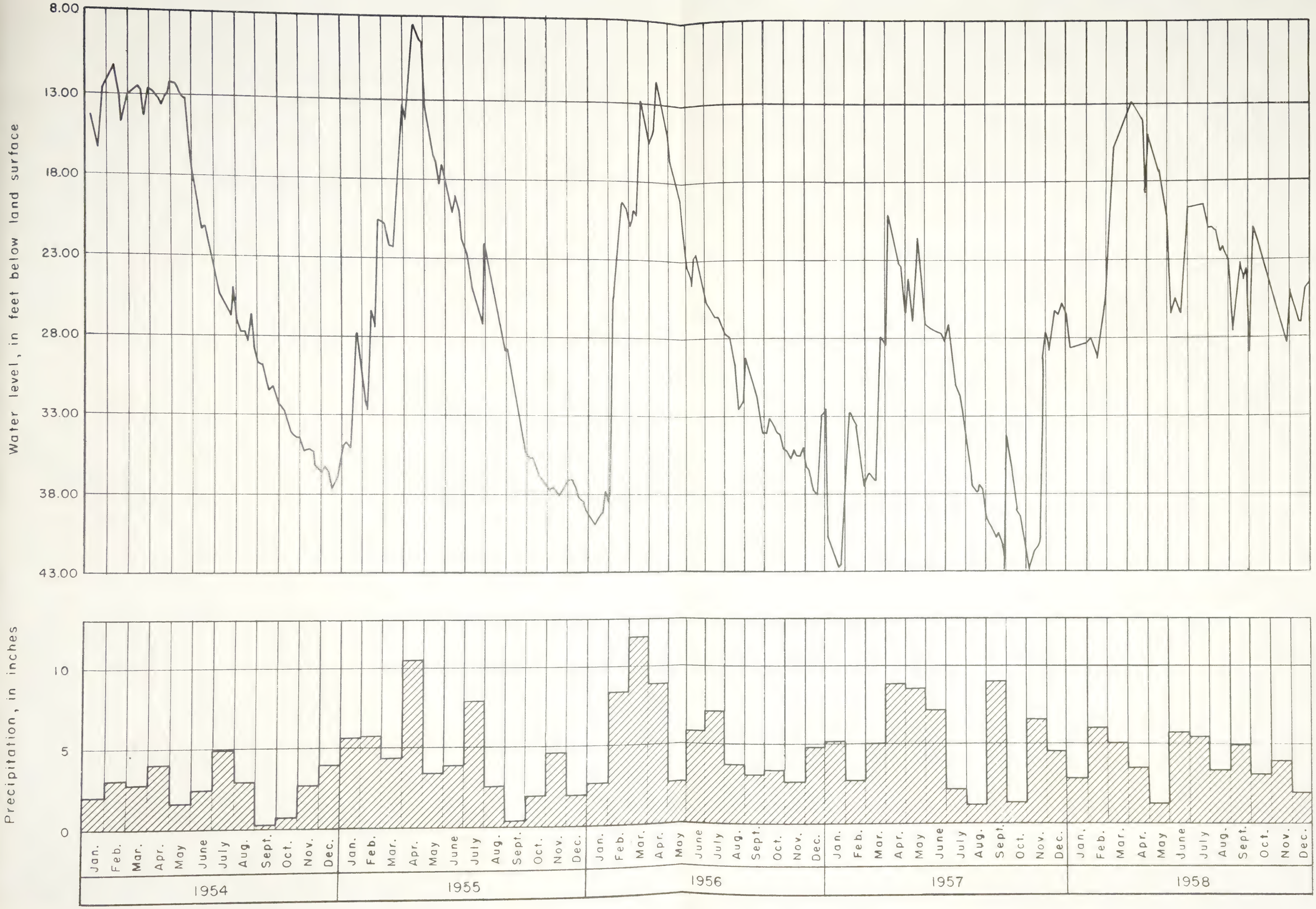

Figure 4. - Changes in water level in well Tal-1, 1954-56, and Tal-2, 1957-58, and precipitation at Sylacauga, Ala.

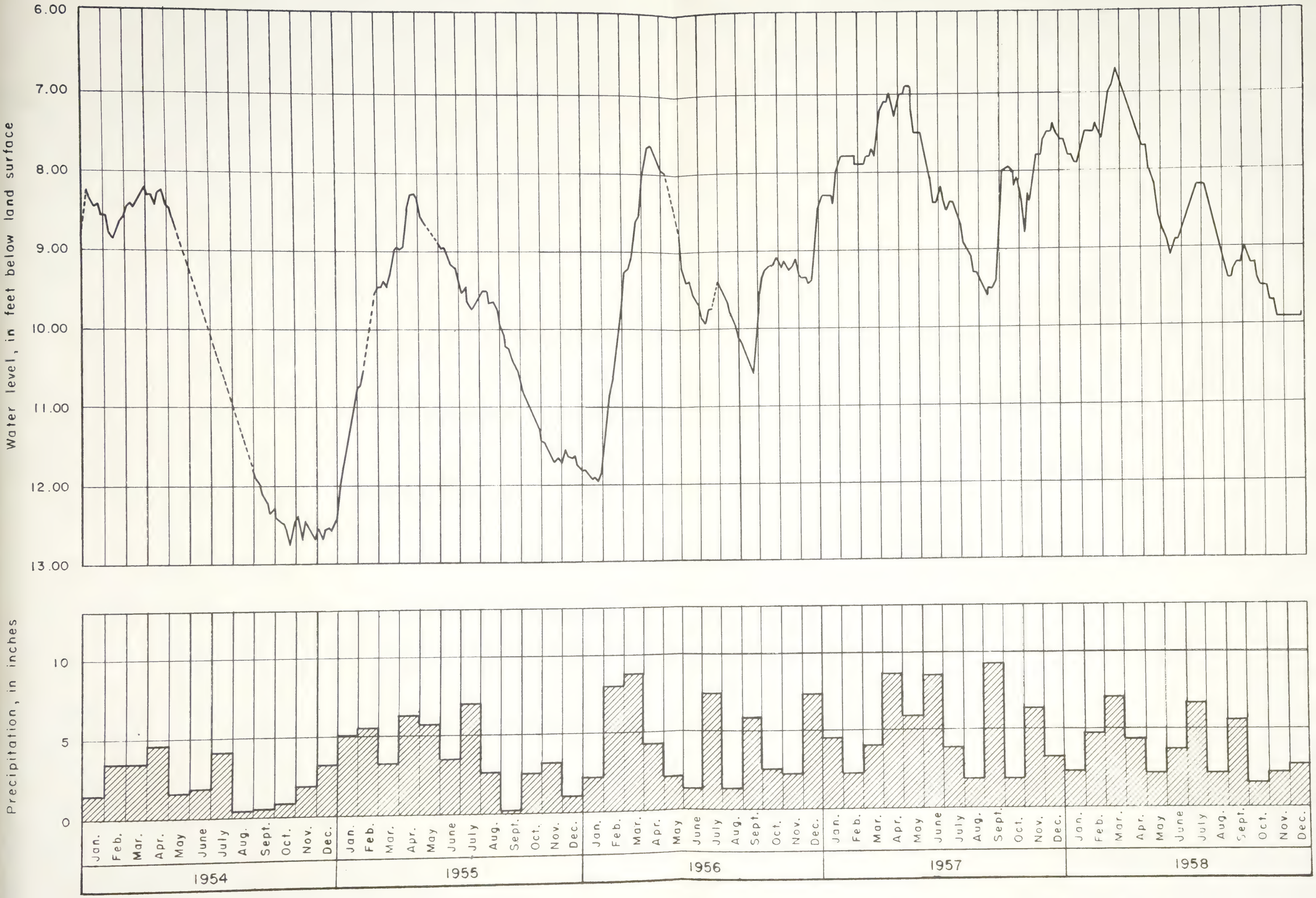

Figure 5 - Changes in water level in well Elm-1, and precipitation at Martin Dam, Ala., 1954-58.

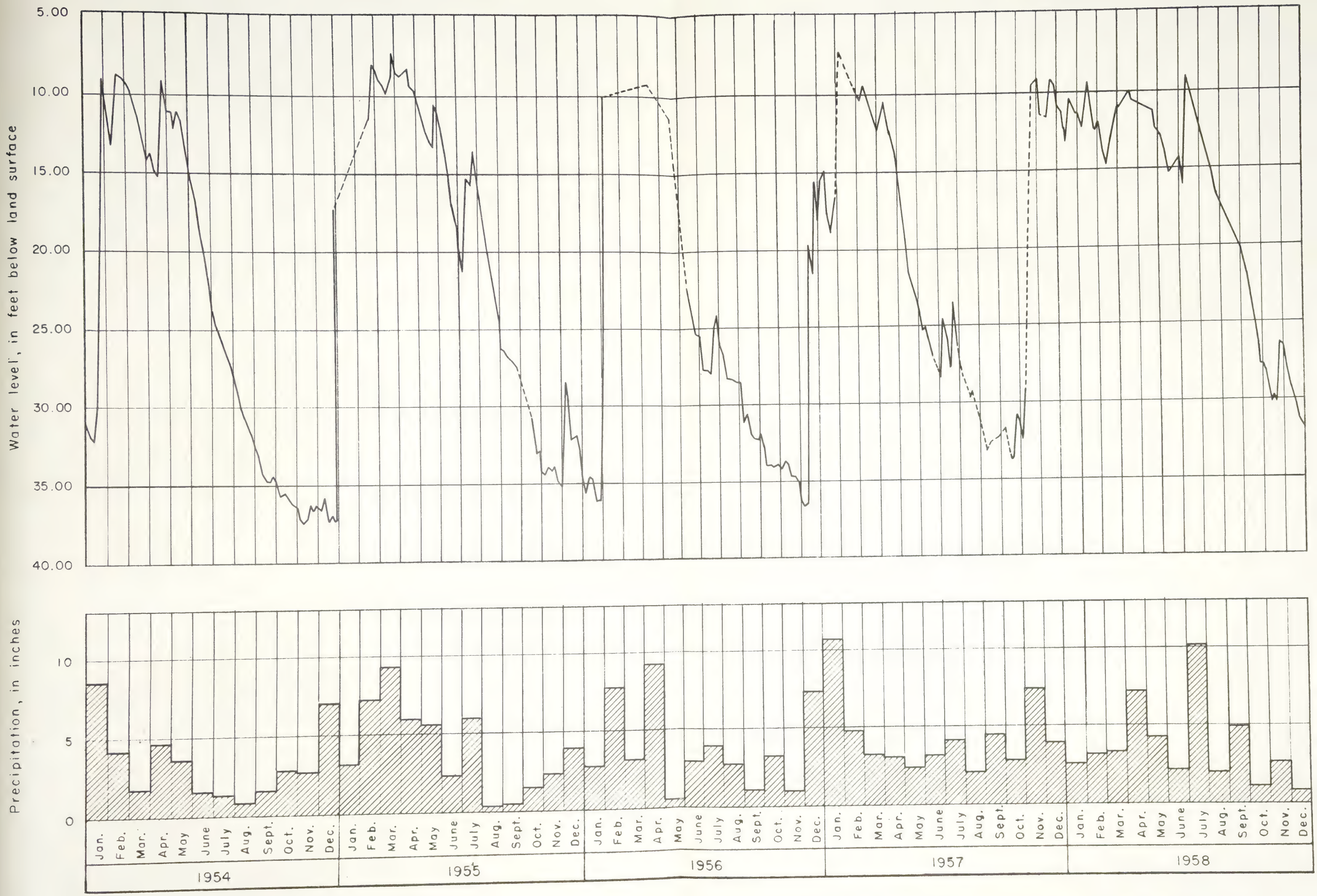

Figure 6. - Changes in water level in well Col-1, and precipitation at Muscle Shoals, Ala., 1954-58.

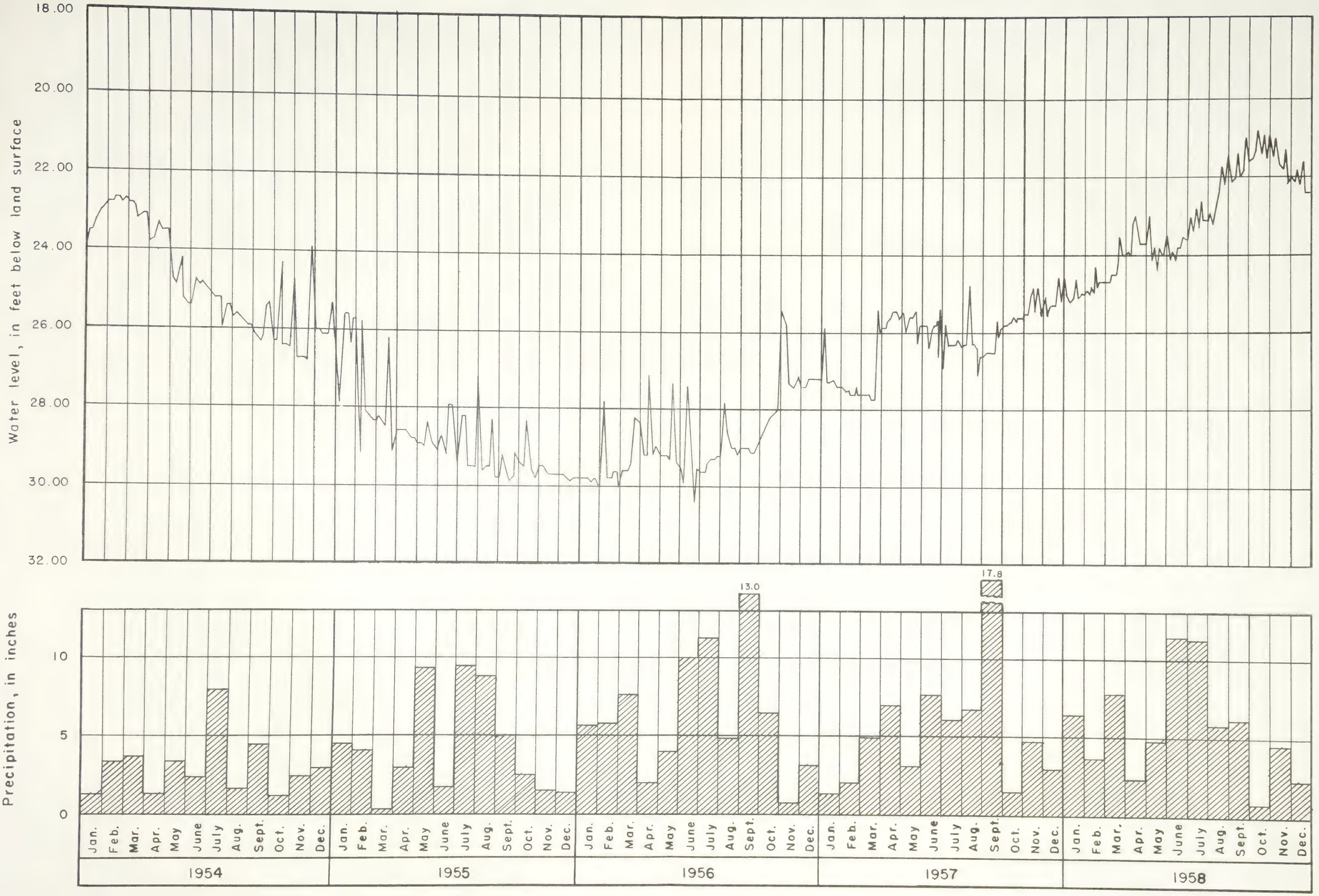

Figure 28.—Changes in water level in well Bal-1, and precipitation at Robertsdale, Ala., 1954-58.

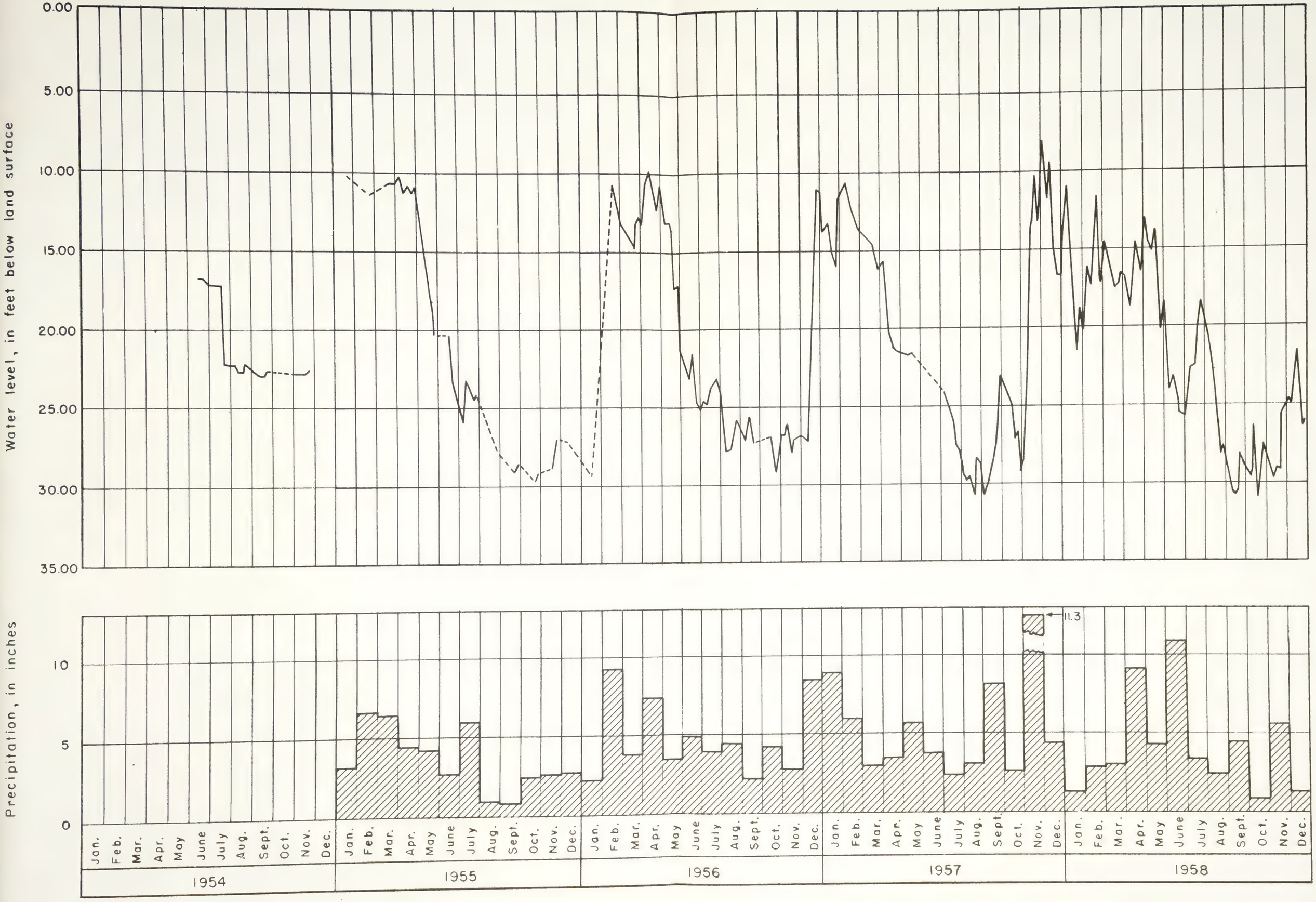

Figure 7. - Changes in water level in well Mor-1, and precipitation at Decatur, Ala., 1954-58.

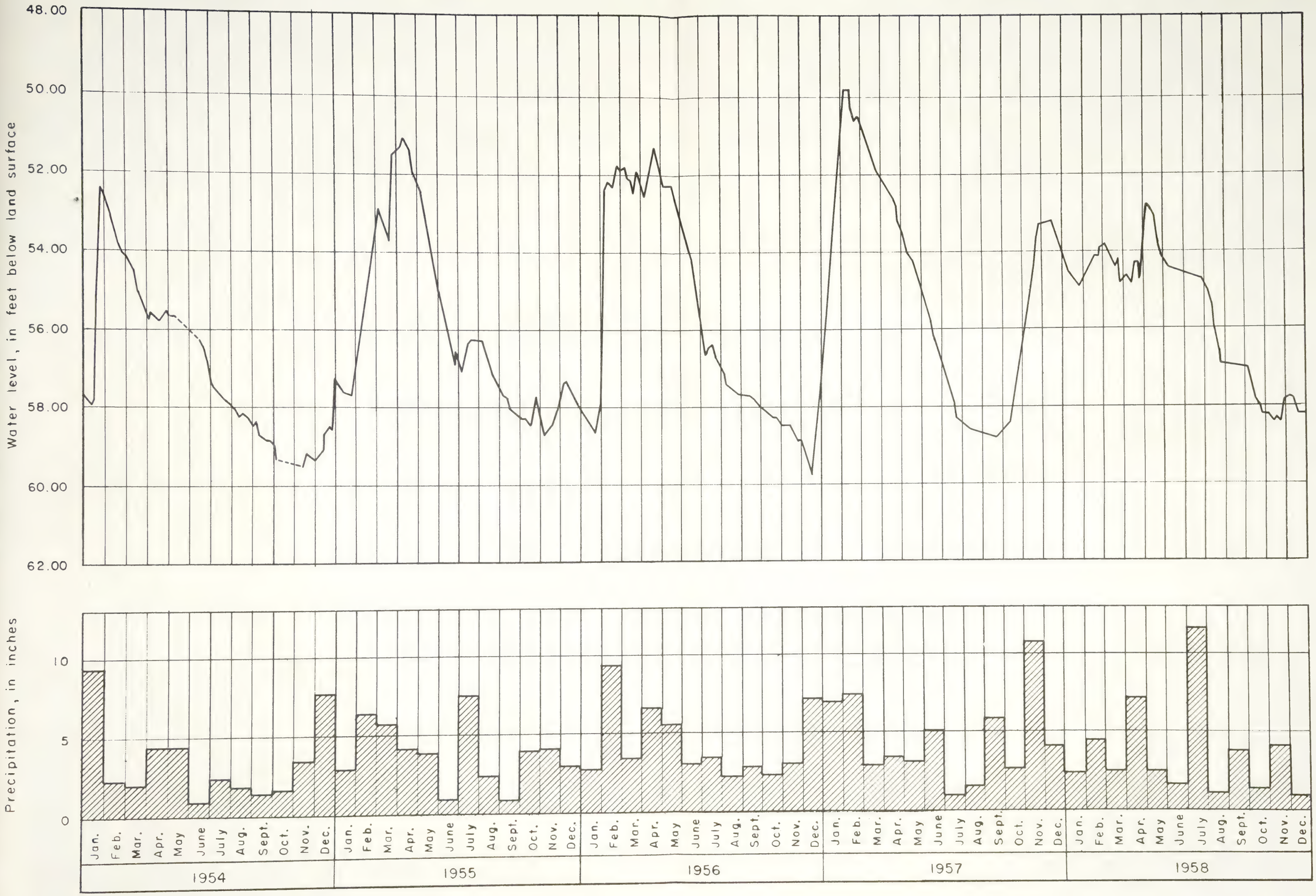

Figure 8 - Changes in water level in well Mad-1, and precipitation at Huntsville, Ala., 1954-58.

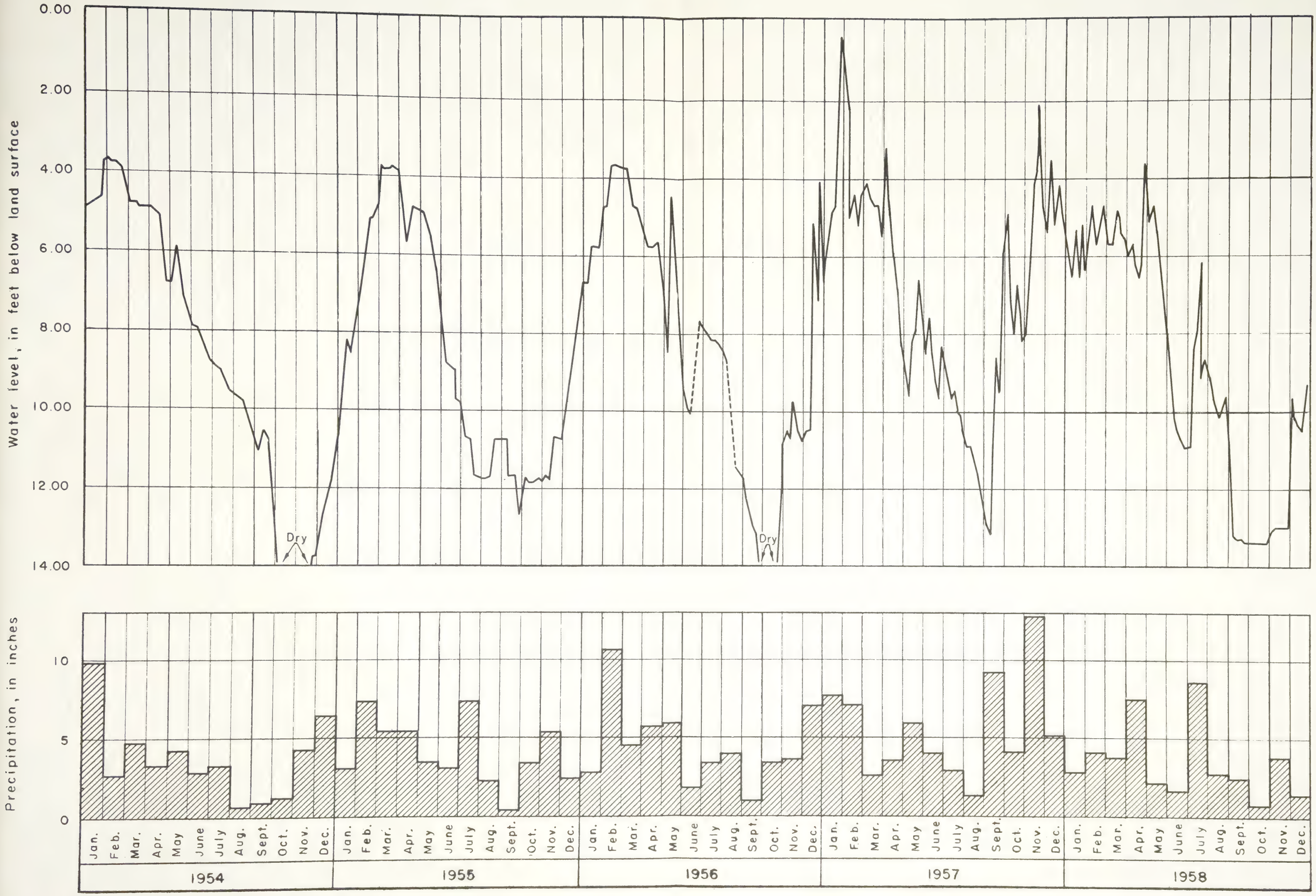

Figure 9. - Changes in water level in well Jac-1, and precipitation at Scottsboro, Ala., 1954-58.

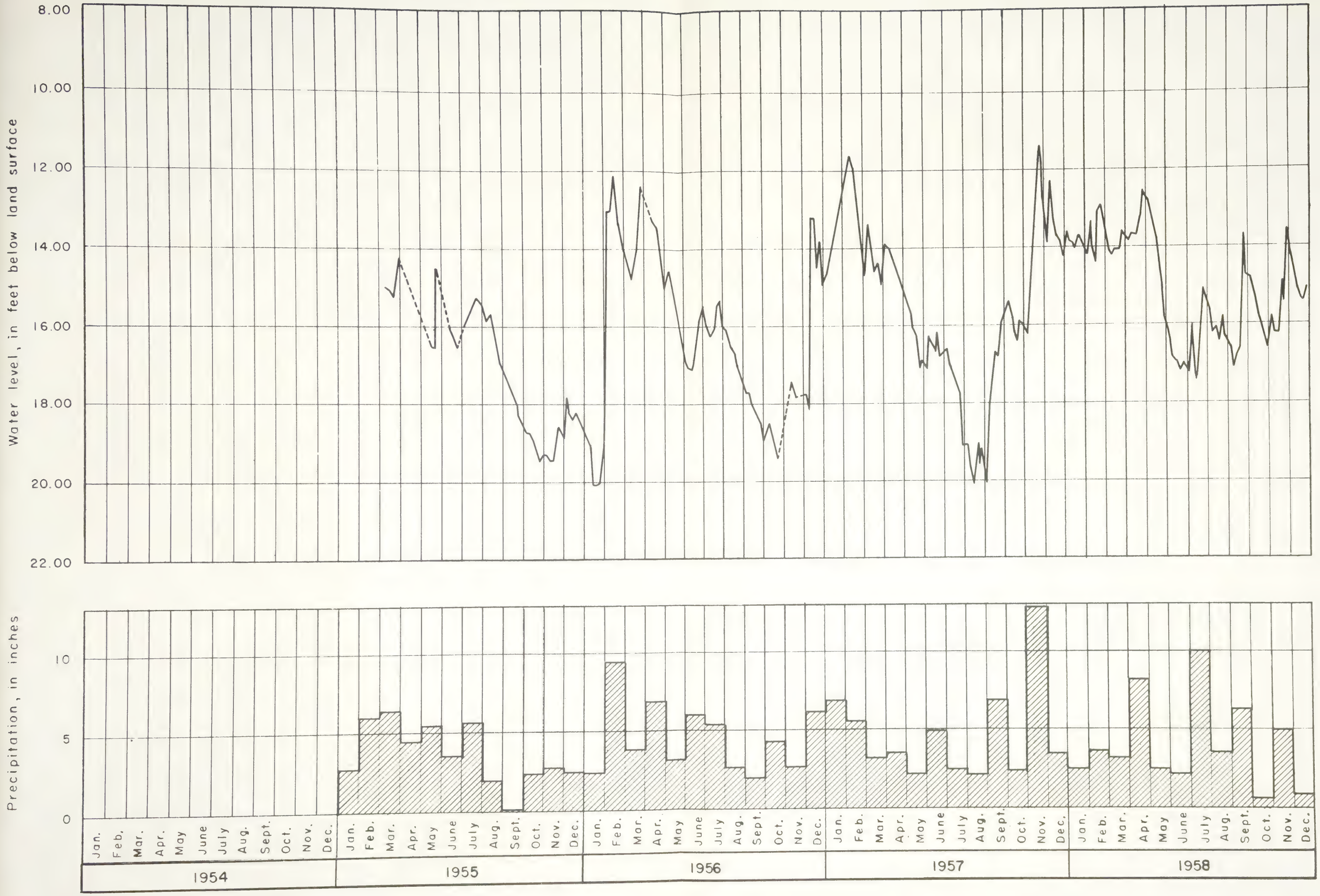

Figure 10.—Changes in water level in well Law_1, and precipitation at Moulton, Ala., 1954-58.

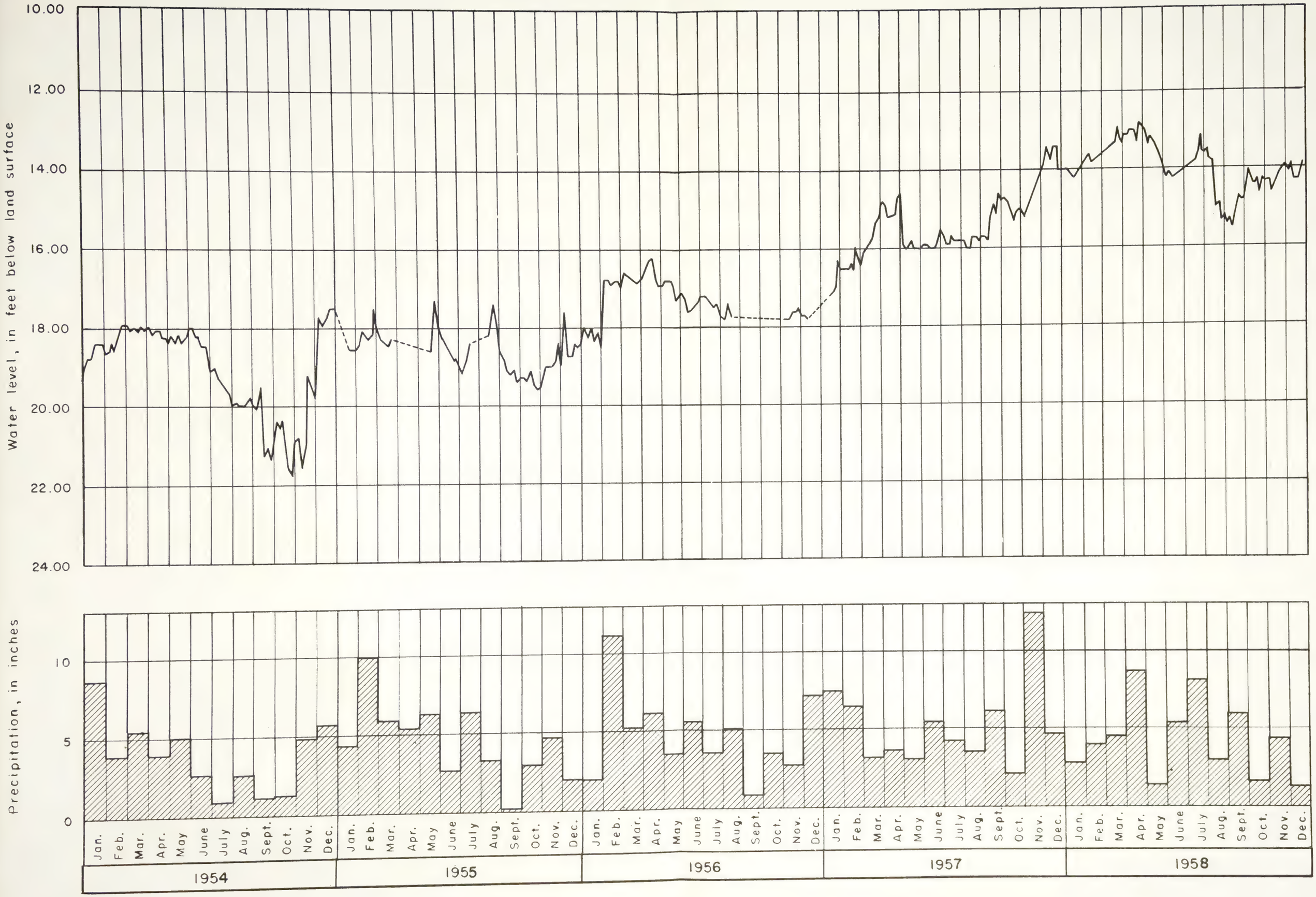

Figure 11. — Changes in water level in well Cul-1, and precipitation at St. Bernard, Ala., 1954-58.

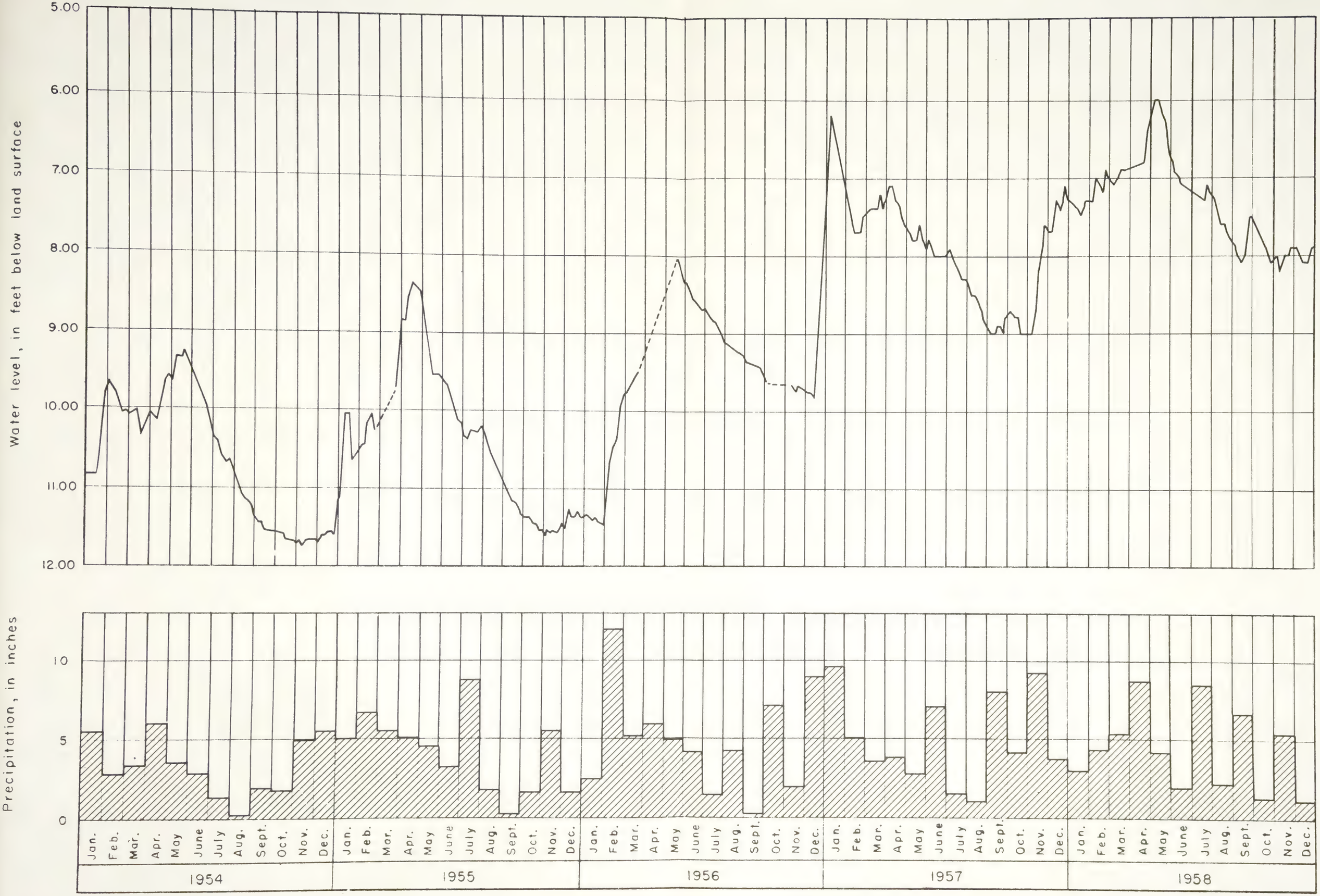

Figure 12. - Changes in water level in well Mar-1 at Guin, and precipitation at Winfield, Ala., 1954-58.

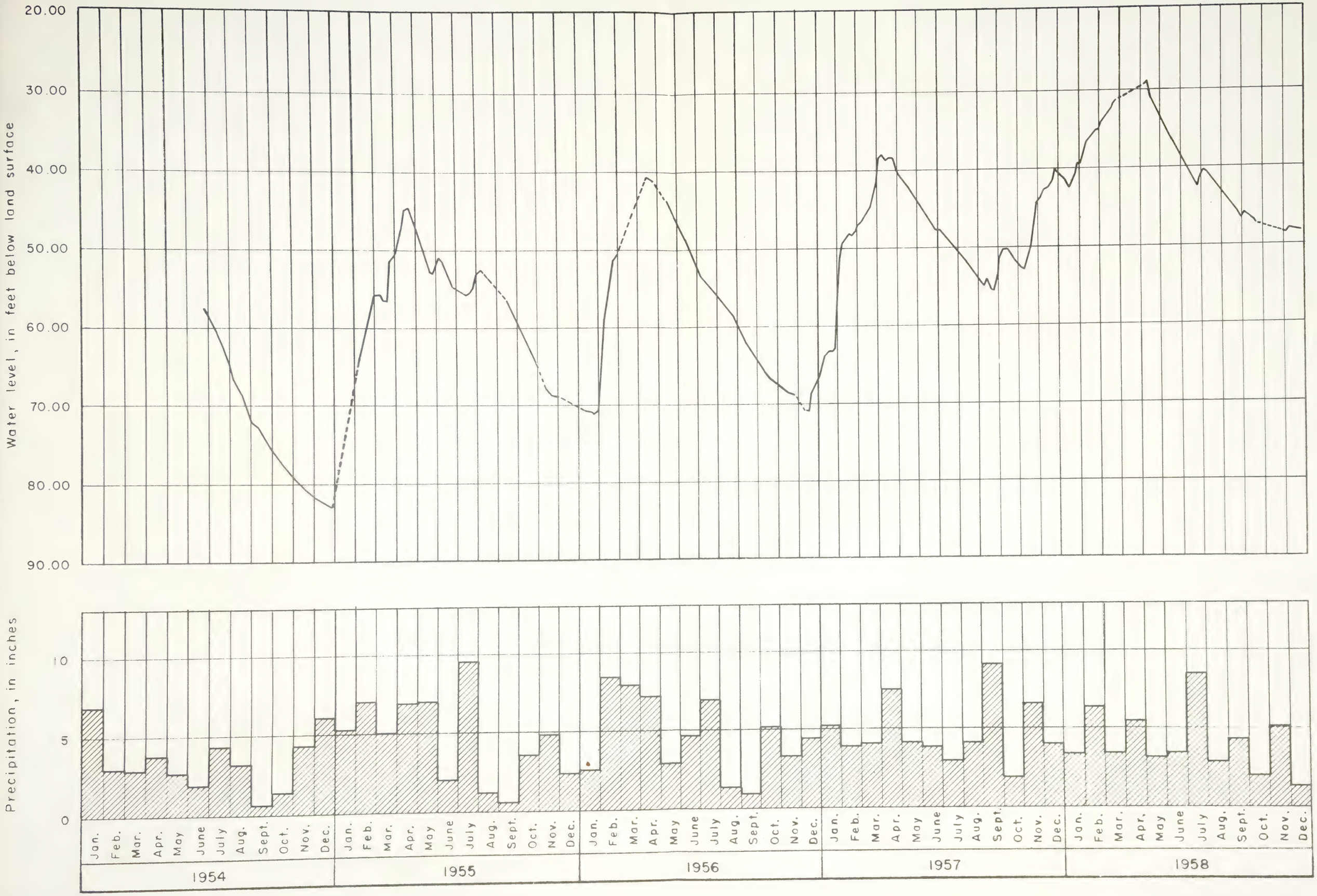

Figure 13. - Changes in water level in well Jef-I, and precipitation at Bessemer, Ala., 1954-58.

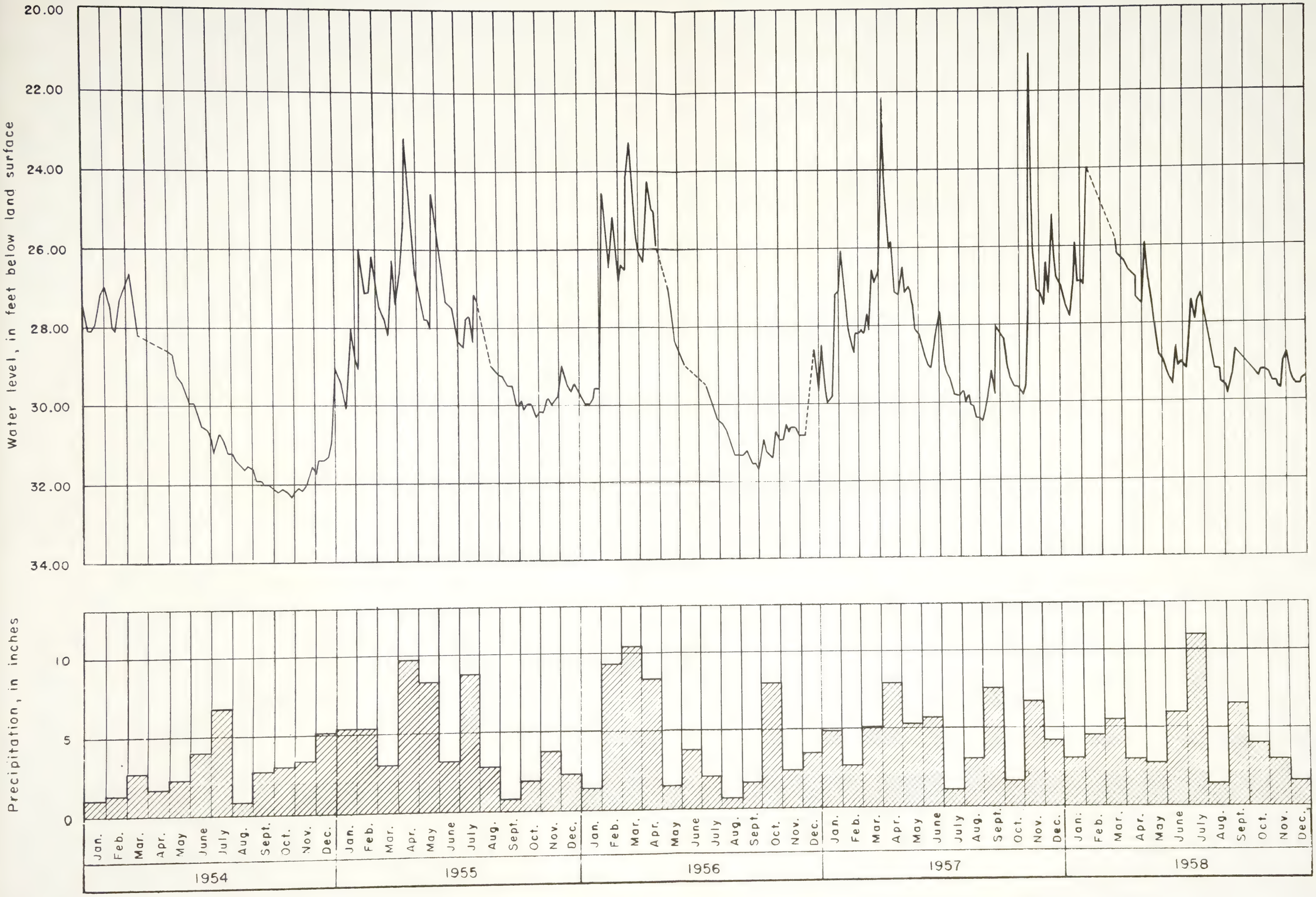

Figure 15. - Changes in water level in well Bib-1, and precipitation at Centreville, Ala., 1954-58.

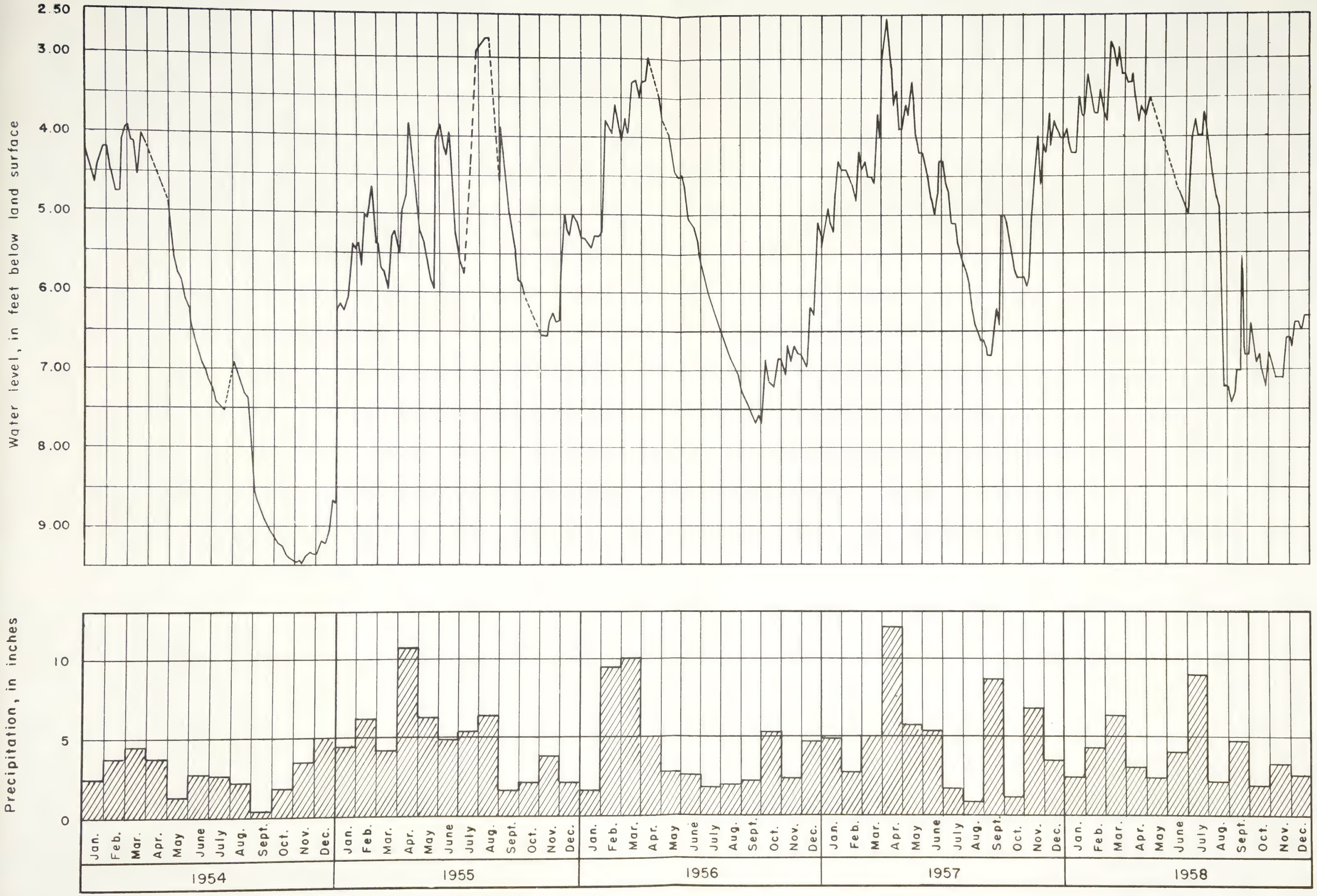

Figure 16. – Changes in water level in well Chi–3, and precipitation at Clanton, Ala., 1954–58.

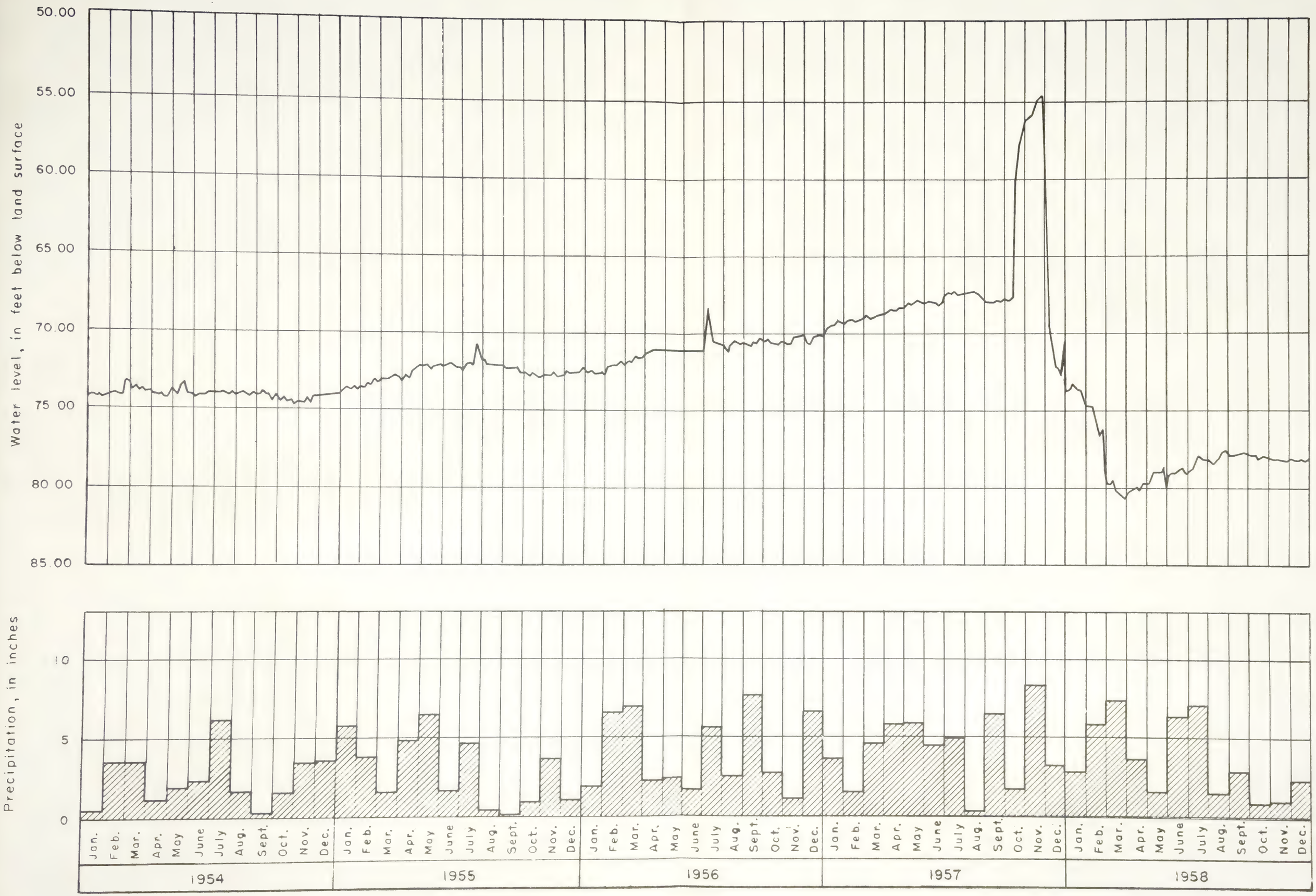

Figure 17. – Changes in water level in well Mac-1, and precipitation at Tuskegee, Ala., 1954–58.

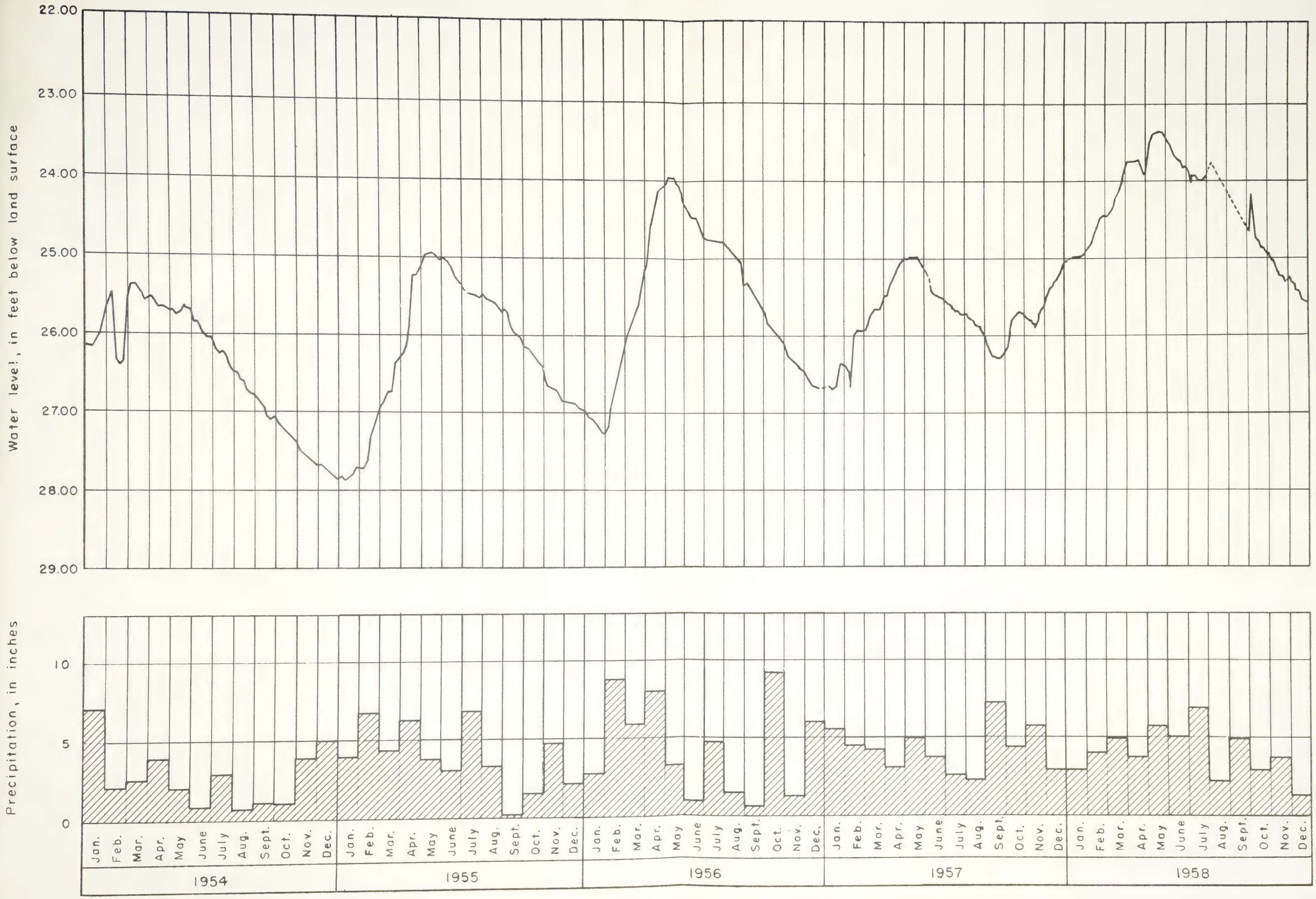

Figure 18. - Changes in water level in well Tus-1, and precipitation at Tuscaloosa, Ala., 1954-58.

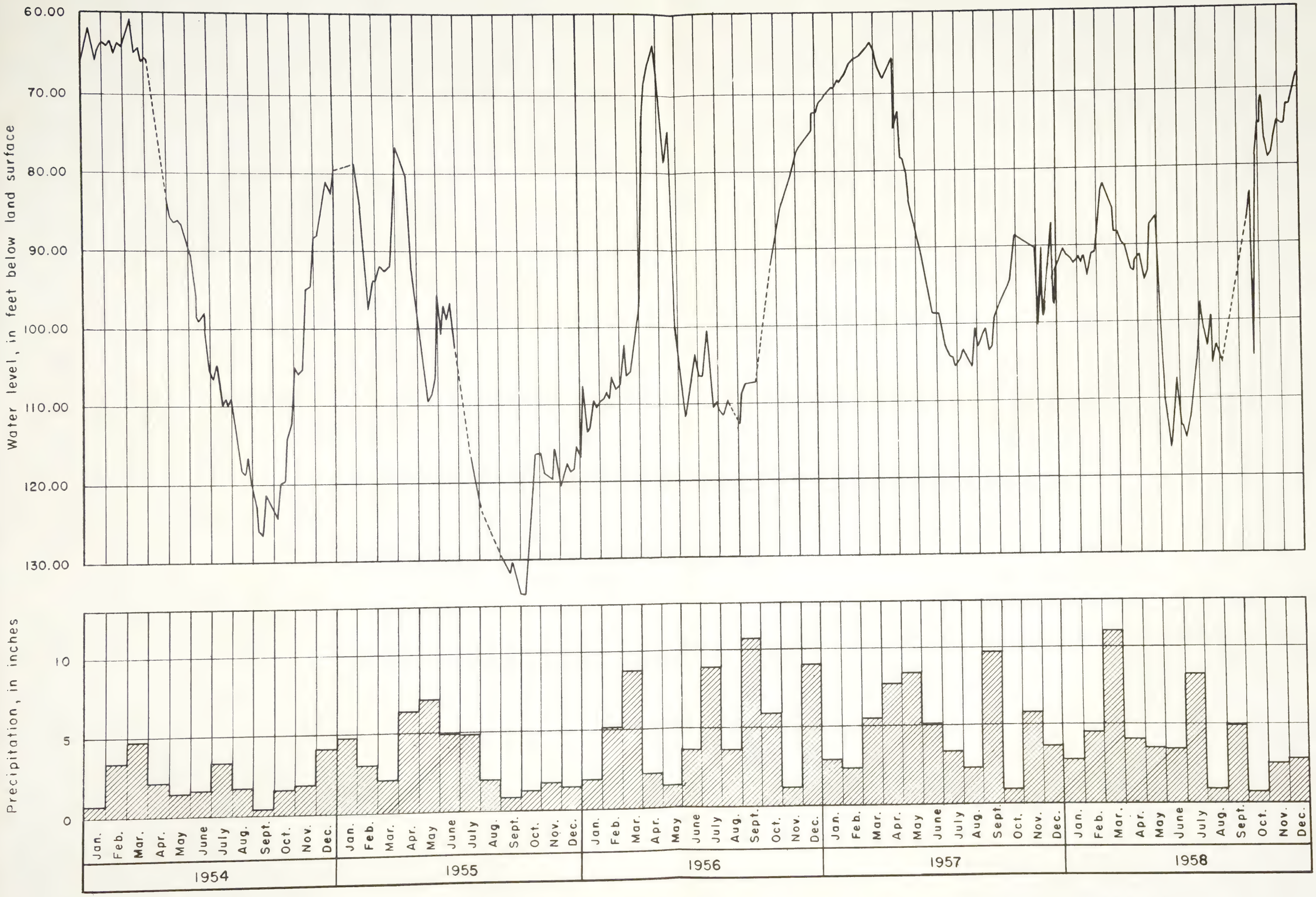

Figure 19. – Changes in water level in well Mtg-4, and precipitation at Montgomery, Ala., 1954-58.

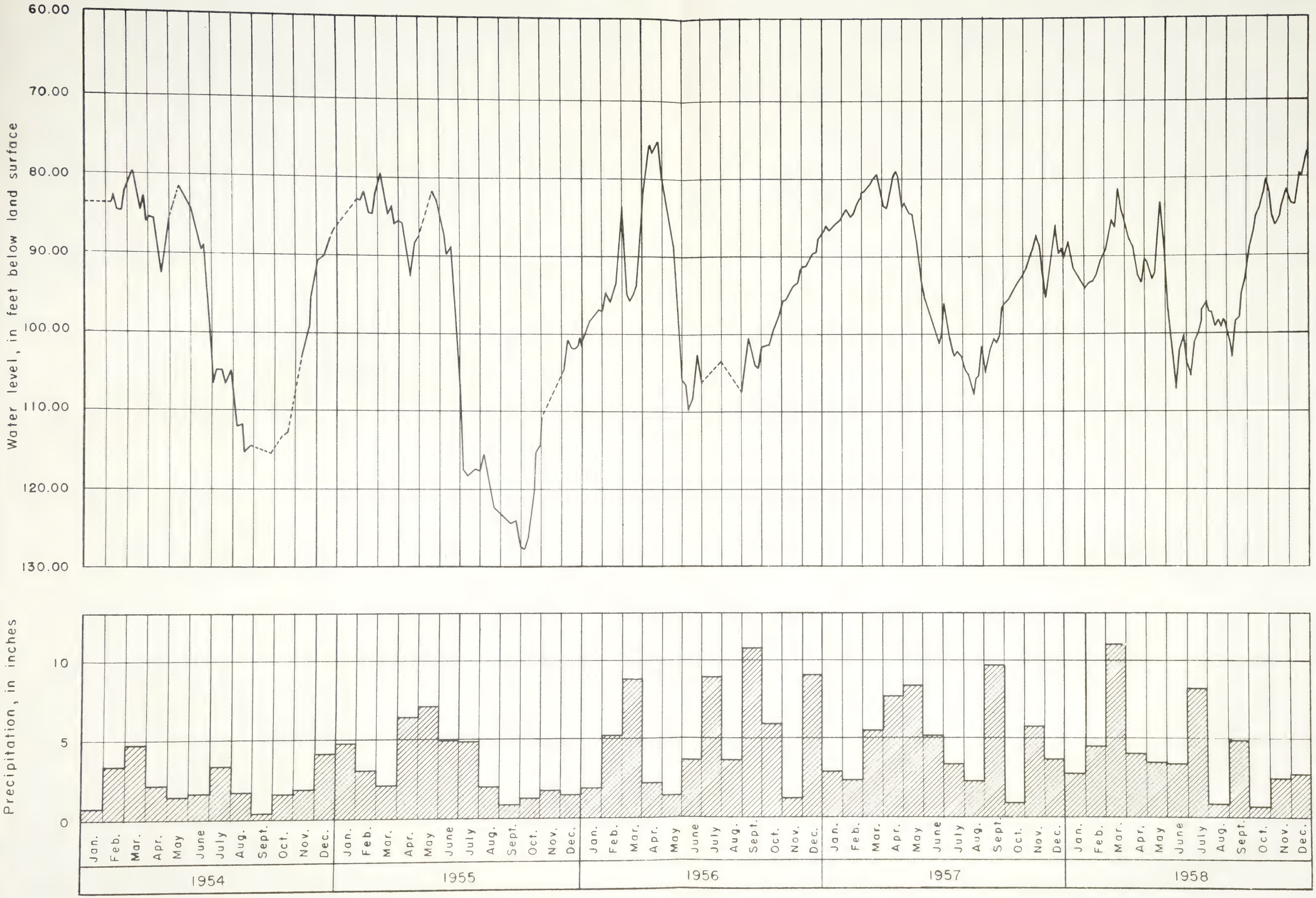

Figure 20. - Changes in water level in well Mtg.-2, and precipitation at Montgomery, Ala., 1954-58.

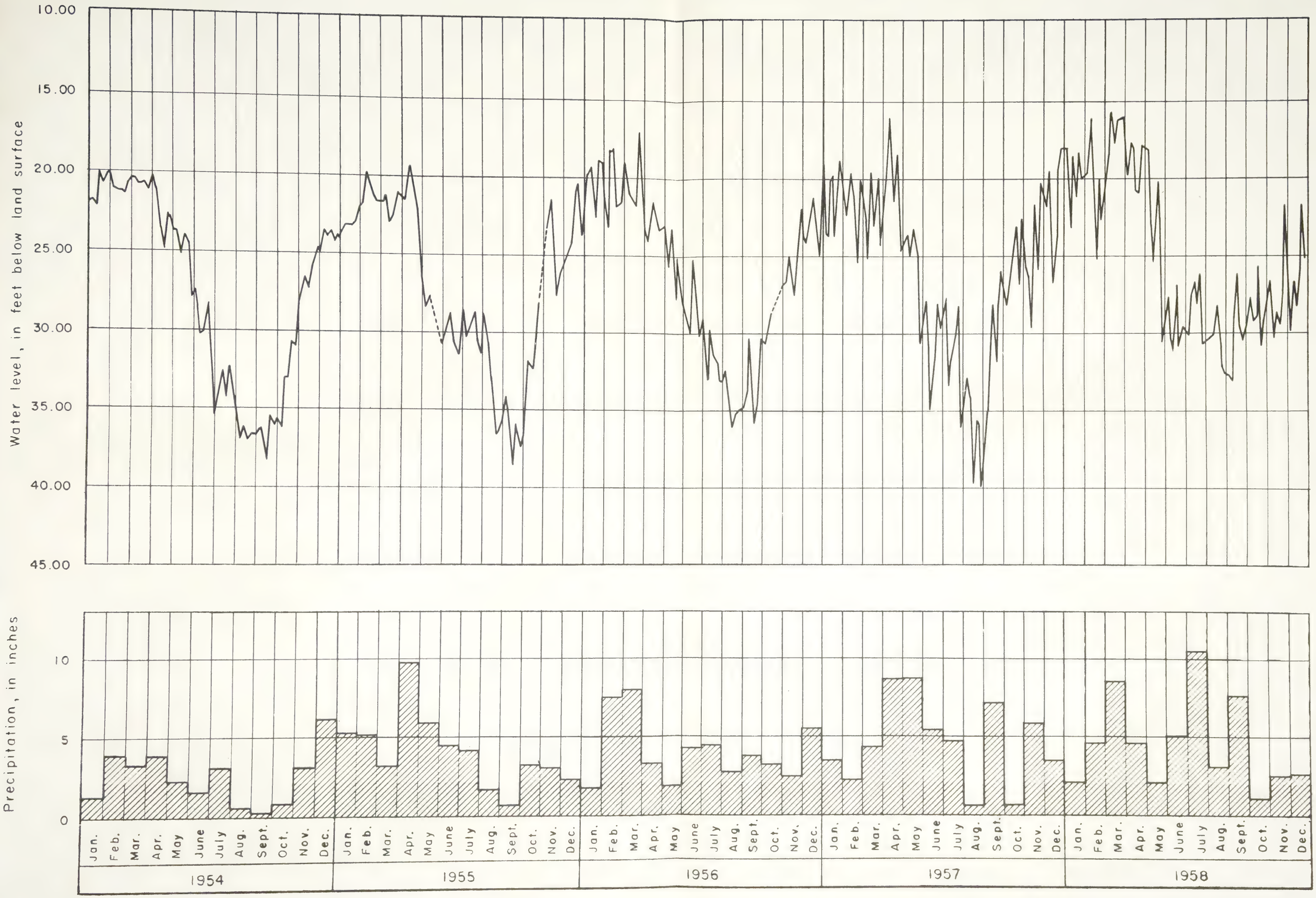

Figure 21.- Changes in water level in well Dls-2, and precipitation at Selma, Ala., 1954-58.

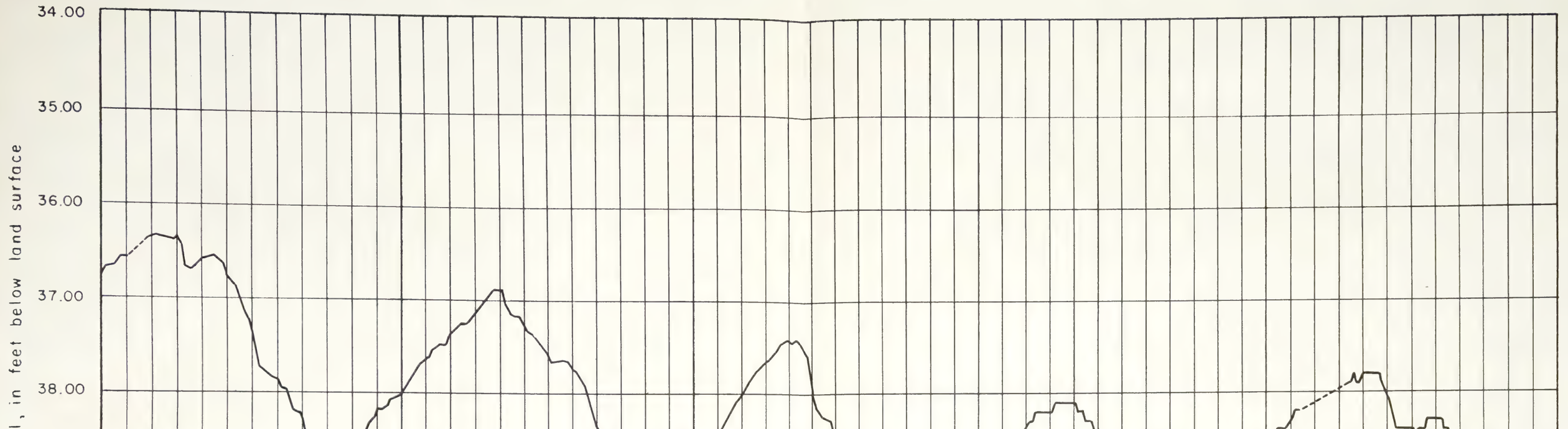

Figure 22.- Changes in water level in well Gre-3, and precipitation at Eutaw Lock 7, Ala., 1954-58.

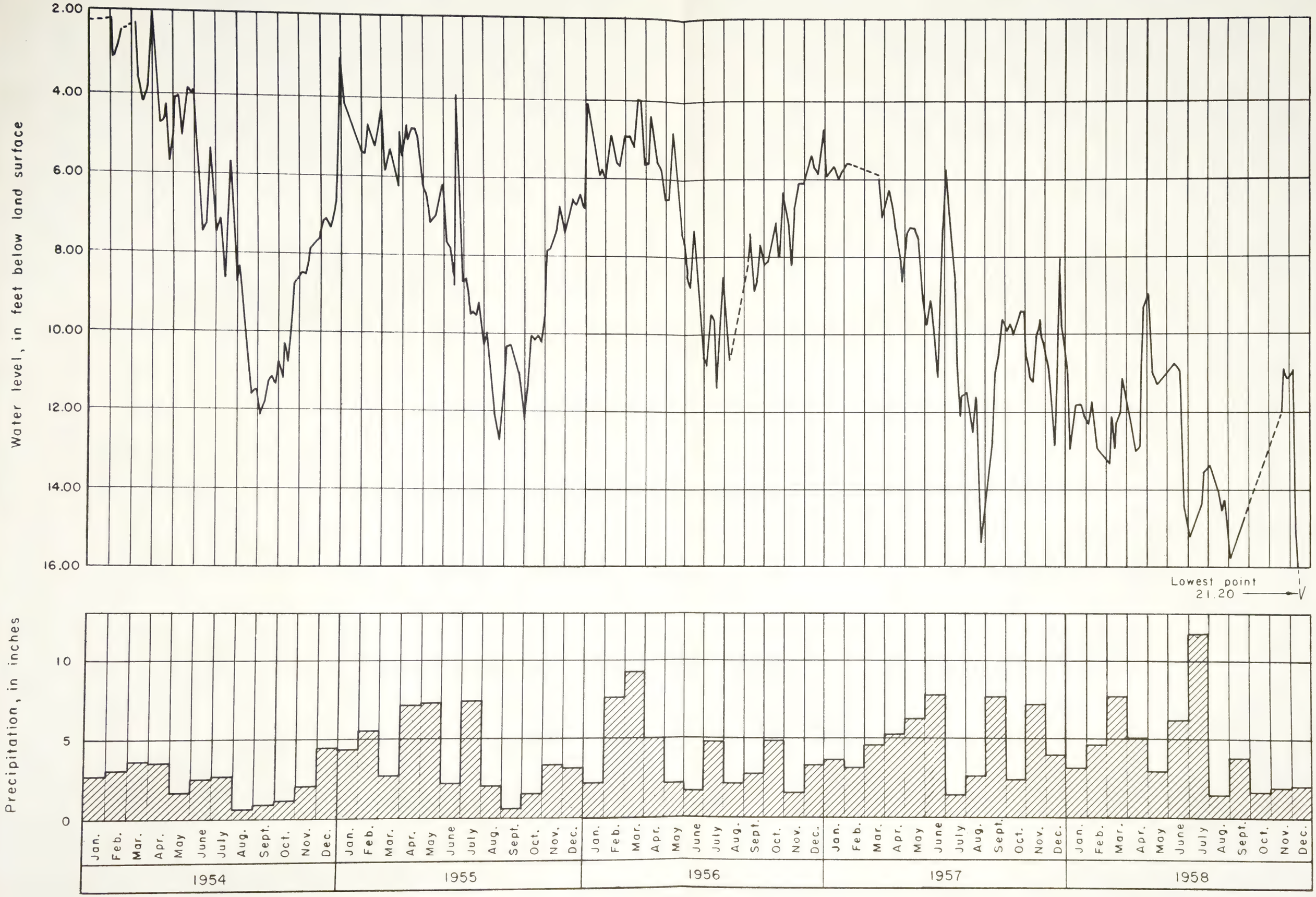

Figure 23.- Changes in water level in well Mag-1, and precipitation at Demopolis, Ala., 1954-58.

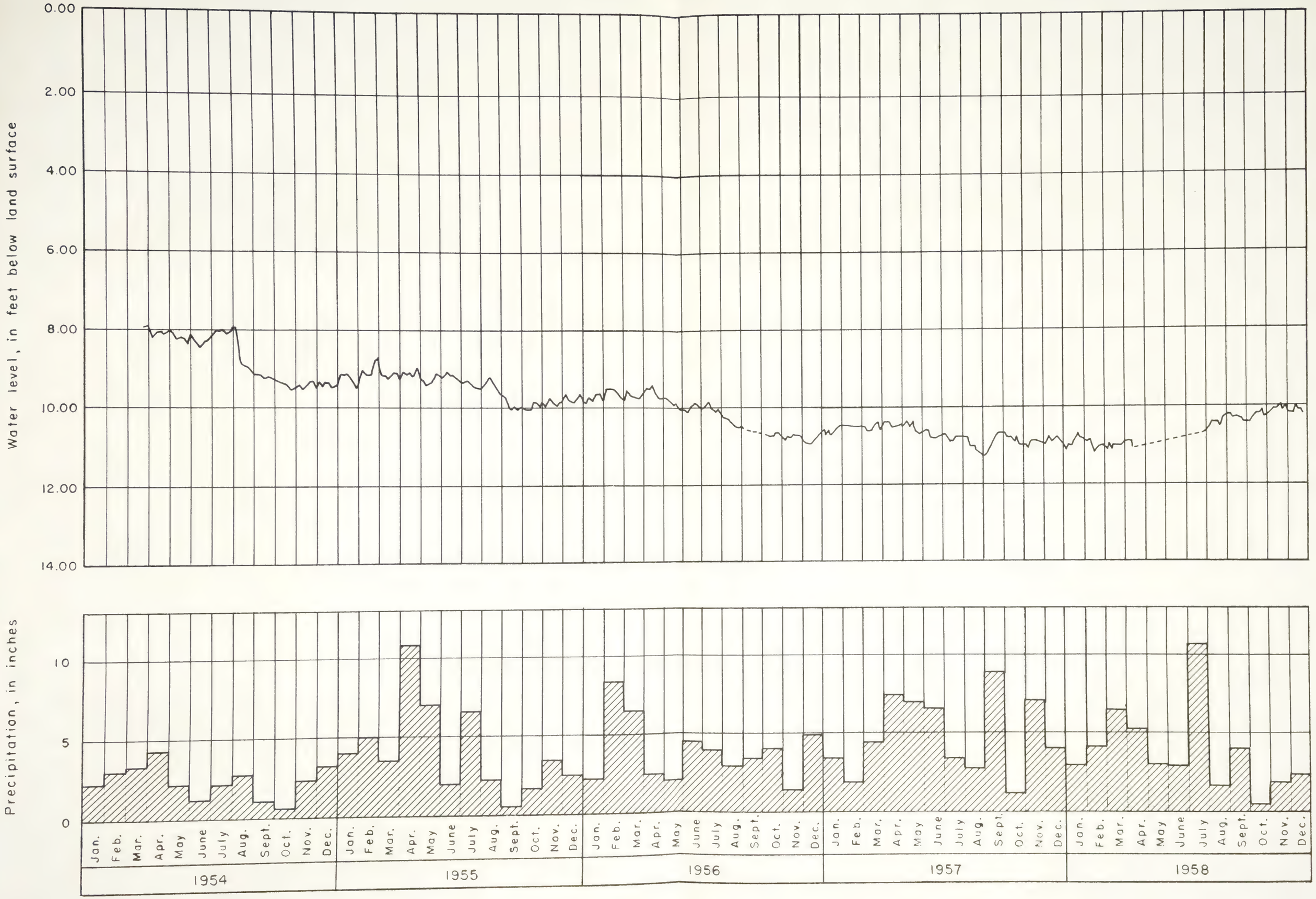

Figure 24.- Changes in water level in well Mag-2 at Thomaston, and precipitation at Dayton, Ala., 1954-58.

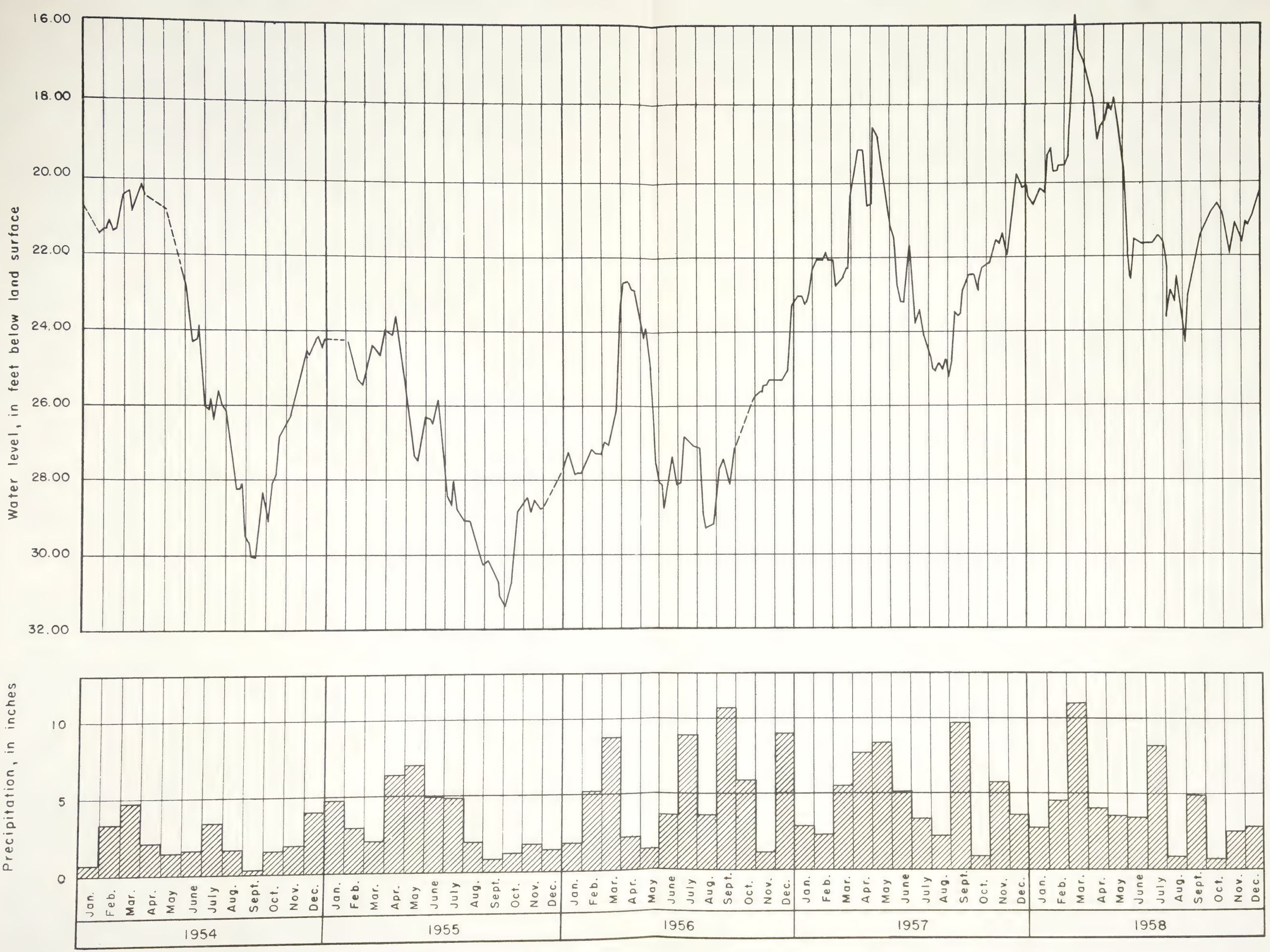

Figure 25.—Changes in water level in well Mtg-3, and precipitation at Montgomery, Ala., 1954–58.

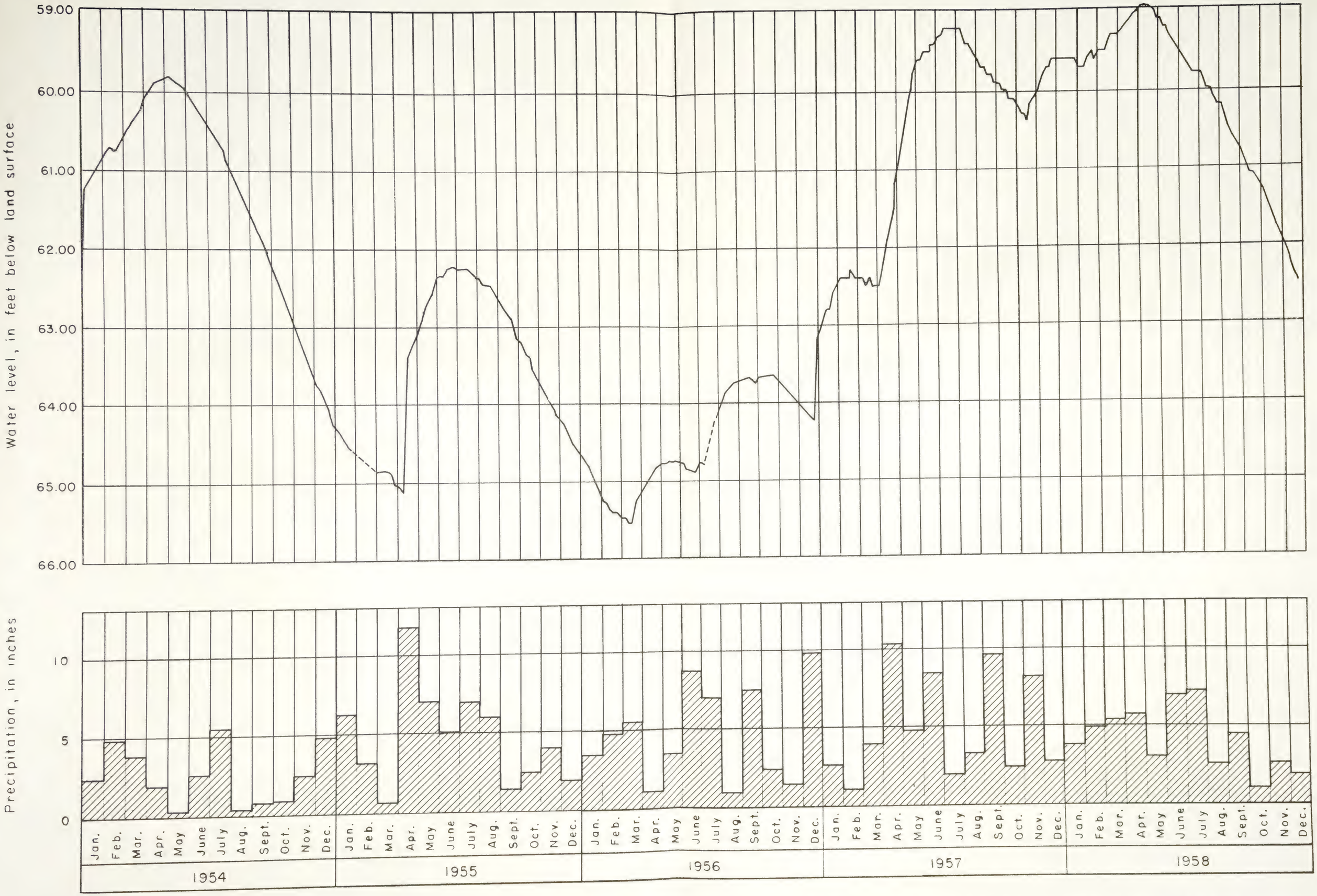

Figure 26 - Changes in water level in well Mon-3 at Monroeville, and precipitation at Frisco City, Ala., 1954-58.

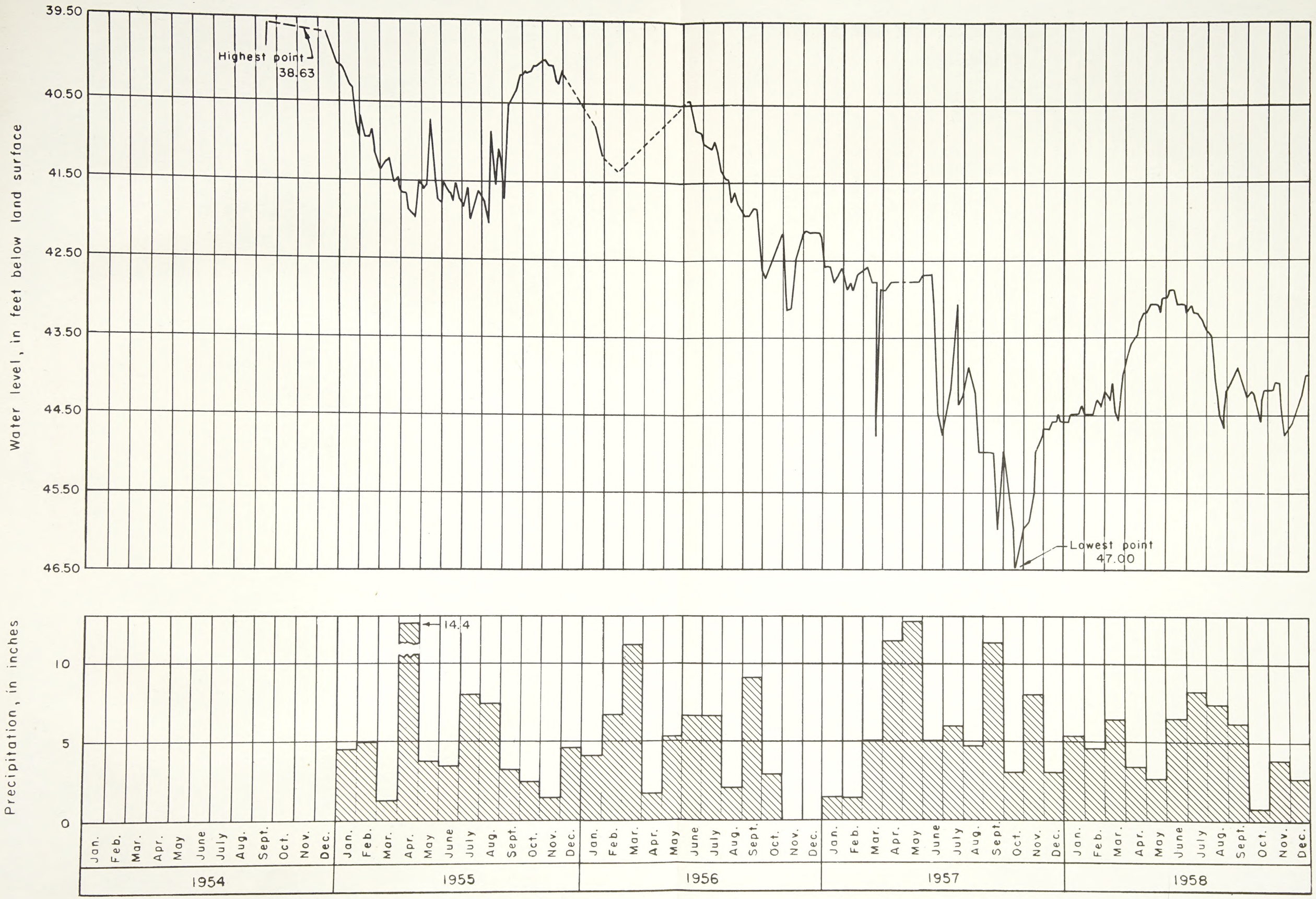

Figure 27.- Changes in water level in well Mob-1 at Salco, and precipitation at Bay Minette, Ala., 1954-58.